

Dickie, Catherine

From: Kristin Wilkinson - NOAA Federal [REDACTED]
Sent: August-02-18 4:32 PM
To: Thornton, Sheila; Cottrell, Paul
Cc: Lynne Barre; Teri Rowles; Deborah Fauquier
Subject: Emergency Response to Provide Oral Medical Treatment Proposal for J50

Sheila and Paul,

NOAA Fisheries will be receiving a proposal from several members of the consultation team for emergency response to provide oral medical treatment for J50. We wanted to make you aware of this proposal which we expect to receive later today or early Friday morning. Once we have a copy of the proposal we will share it with you, J50 would need to receive consistent treatment on either side of the border so it is effective. This proposal will be reviewed by NOAA HQ and our Permits Division and will need to be approved before any action could be taken.

Please let Lynne or I know if you have any questions or if I need to share this email with anyone else at DFO.

Many thanks,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



Proposal For Emergency Response To Provide Oral Medical And Supplemental Nutrition To J50-

Prepared by Jeff Foster ¹, Katy Foster ¹, Dr. Brad Hanson³, Dr. Hendrik Nollens ², Dr. Deborah Giles^{4,5},
Dr. John Durban³, Dr. Holly Fearnbach⁶, Dr. Joe Gaydos⁷

1-Whale Sanctuary Project, 2-SeaWorld, 3-NOAA, 4-UW Center For Conservation Biology, 5-Wild Orca, 6-SR3, 6-SeaDoc

Disclaimer: This is a fluid situation and we need to pledge that the plan remains flexible and adaptable to all circumstances that arise, while keeping in mind the safety and health of all involved.

OVERVIEW

1. Signalment
2. Medical History
3. Current Health Condition
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5. Phases Of Response
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Fig.1 – “Peanut Head” J50, July 21st, 2018 Katy Foster/NOAA Fisheries

SIGNALMENT

J50 is a member of the SRKW JPod. She is the daughter of J16 and was most likely born to J16 during one of her last years of reproductive potential. J50 was first seen in the San Juan/Gulf Island archipelago on the 30th of December 2014 (*Center For Whale Research*), and was estimated by researchers to be 4-10 days old at that time. J16 has five prior calves, three of which survived.

J50 has always been considered to be a smaller than average animal for her age. Drone photogrammetry studies by Dr. John Durban, Dr. Holly Fearnbach, and Dr. Lance Barrett-Lennard (Vancouver Aquarium) have document J50's small size for her age since her first year of life. and her notably poorer body condition in 2017.

**J50 had numerous rake marks around her dorsal fin when born. Ken Balcomb has theorized that there could have been a dystocia due to other individuals pulling on her. This is strictly conjecture, but could suggest some early traumatic issue associated with parturition like traumatic diaphragmatic hernia.*

MEDICAL HISTORY

Dr. John Durban, Dr. Holly Fearnbach, and Dr. Lance Barrett-Lennard (Vancouver Aquarium) documented J50s notably poorer body condition beginning in 2017. In January 2018, The Center For Whale Research observed further declining body condition as viewed from a boat, noting that J50 began displaying a "peanut-head". Historically, 11 of 13 southern residents that have displayed this loss of nuchal fat have gone on to die. Further aerial drone collected by Dr. Durban & Dr. Fearnbach on August 1st, 2018, show that J50 is in very poor body condition (fig.2), similar to the measured condition of her cousin J52 before he disappeared in 2017 (fig.3). Additionally these images have documented a white discoloration to the skin behind the head. Researchers from the Center Of Whale Research have also noted deterioration in her body condition in recent weeks.

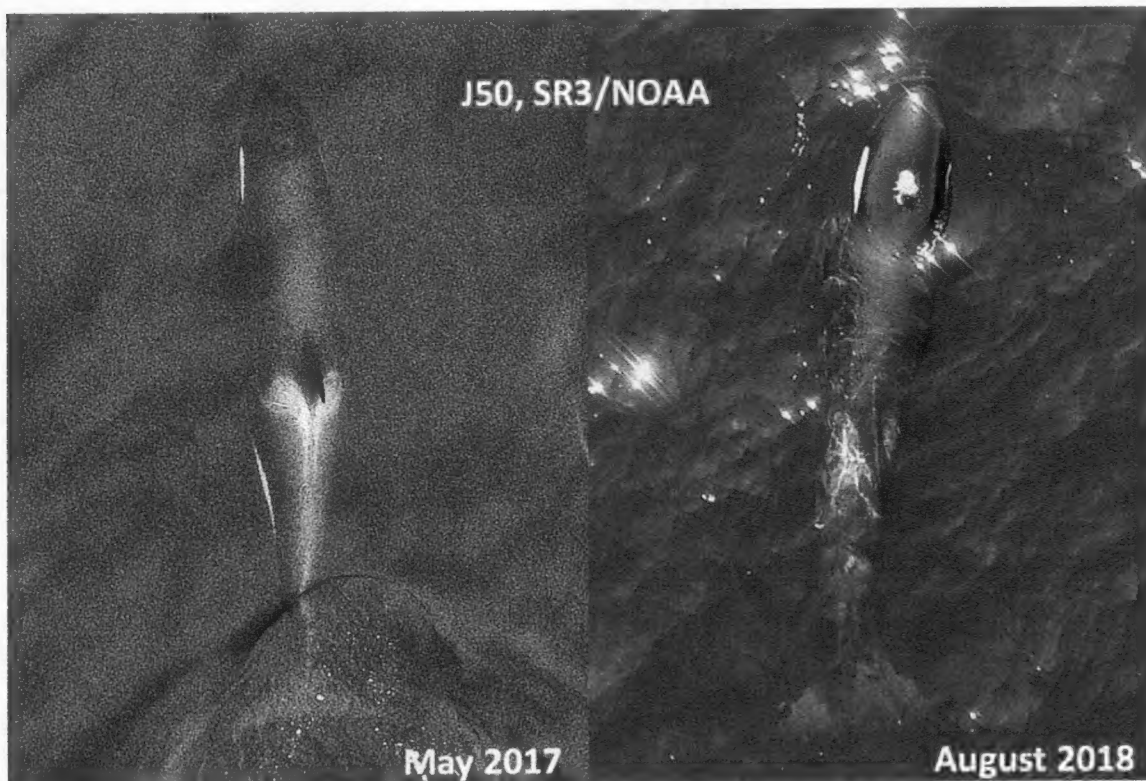


Fig. 2 Holly Fearnbach/SR3 and John Durban/NOAA

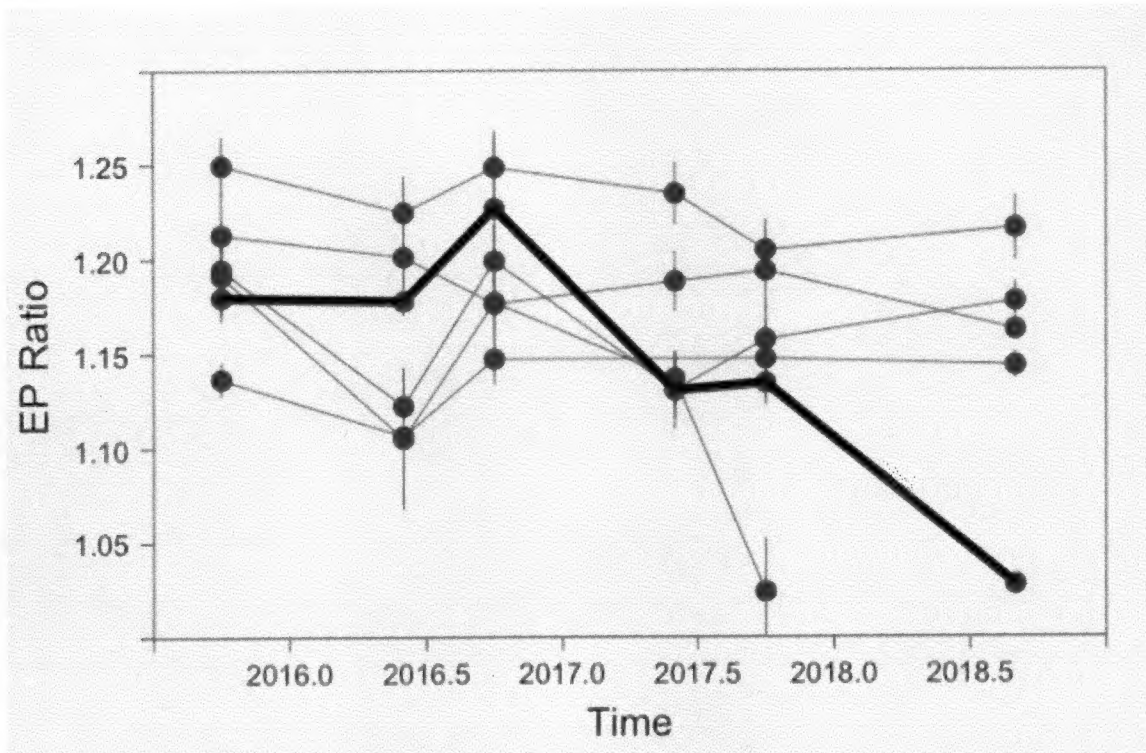


Fig.3: Eye Patch Ratio (EPR; Fearnbach et al. unpublished data) for each of the members of the J16 matriline over repeated photogrammetry measurements from September 2015 until 1 August 2018. Vertical error bars are SD of repeat measurements in each sampling period. Horizontal lines link the same individual over time. J50 is indicated by the black line. J50's EPR has declined to similar levels reached by her cousin (J52) shortly before his death in 2017.

**Historically, 48% of necropsied SRKWs have had evidence of pneumonia. In 24% of cases, pneumonia was considered the leading cause of death. (Raverty et al., in prep).*

In early July, Dr. Deborah Giles noted that J50 seemed to display foul smelling breath. J50's breath has been observed to smell normal during the month of July as well, and seems to vary with time.

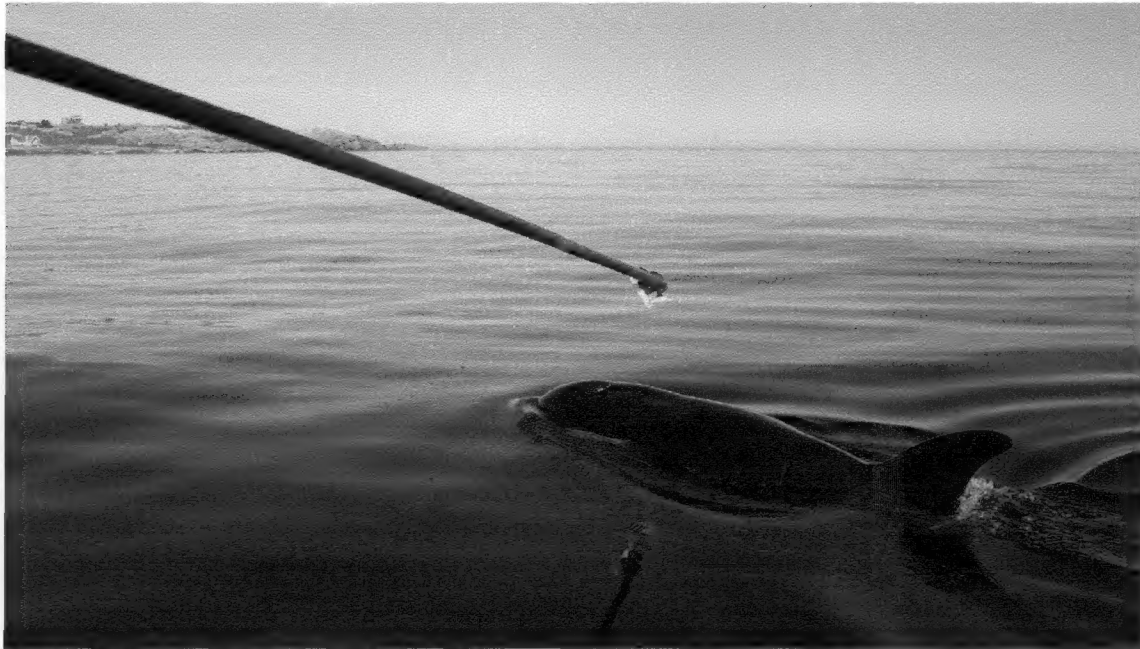


Fig.4 – J50 Respiratory Sample July 21st, 2018

Dr. Brad Hanson and a small team obtained a respiratory sample from J50 on July 21st, 2018. The sample was obtained using the protocols for blow and fecal samples listed in Appendix A. The sample yielded a small amount of DNA, of which 4 sequenced sets were obtained. One of these sequence sets was matched to the fungal genus *Exophiala* (Ascomycetes) (known to be an opportunistic pathogen in other species). Another (sub-optimal) sequence set matched to the fungal genus *Cladosporium* (not a well demonstrated pathogen). Due to the small size of this sample, it is necessary to obtain additional samples to better diagnose if J50 is dealing with pathogens that need to be treated.

CURRENT HEALTH CONDITION

- Total length 321cm
- Estimated to be ~20% underweight. Presumed to be dehydrated due to insufficient food volume intake
- Based on extrapolation from SeaWorld morphometric data, J50's current body mass is estimated to be around 508kg.
- White, irregularly shaped macular discoloration present immediately posterior to the blowhole. Differential diagnoses include scarring, yeast (*Candida spp*) or fungal overgrowth, infarction, other.
- Presumed to have pneumonia (primary or secondary)

PURPOSE OF RESPONSE

The proposed plan is in response to the deteriorating condition of J50. The goals of this response are:

1. To develop a technique for delivering food fish to J50.
2. To attempt to orally administer antimicrobial medications to J50
3. To test the feasibility of nutrition and hydration supplementating J50 by supplementing up to 60 lbs of live Chinook salmon to J50 daily

This response will serve as a trial for intervening with nutritional supplementation and orally administered medications for compromised SRKW should similar situations arise in the future.

PHASES OF RESPONSE

Phase 1. Health Assessment

In order to understand the health of J50, health assessments are currently being conducted and will continue during this response effort, as well as for a period of time after the response effort as dictated by the outcome and expert opinion. All assessment will be conducted with consultation of NOAA.

Health assessment will include observations of body condition and behavior, from various marine vessels, drone observations, and from shore (when possible). Photos (high resolution) and video (1080p and greater resolution) will be collected from all platforms utilized, and images will be used for comparisons and ongoing assessment. Images collected by drone will be used to estimate body size and evaluate body condition.

Respiratory samples will be taken and analyzed for potential pathogens and other health indicators using cytology, culture and molecular methods. Respiratory samples will be obtained from a NOAA vessel (Hurricane 733). Additional vessels may be used during respiratory sampling as needed. Respiratory samples will be collected via petri dishes mounted on the end of a carbon fiber pole.

Respiratory samples will be processed using the sample processing protocols found in Appendix A.

Fecal samples will be collected whenever possible. Fecal samples will be collected both visually, and utilizing a trained scat detection dog onboard a research vessel. The scat dog can locate KW feces in the marine environment by situating the vessel perpendicular to the wind, 400m or more from the focal group. Fecal samples collected this way can yield analysis of nutrition, hormones, toxins, DNA, and stress hormones (depending on location of other working vessels).

Small fecal samples will be collected in tubes and immediately placed in a cooler. Larger fecal samples will be collected on sterile gauze sealed in zip locks and placed immediately in cool storage.

Fecal samples will be processed using the sample processing protocols found in Appendix A.

Behavioral patterns will be monitored as often as possible throughout the response. Behavioral ethograms may be developed for this purpose with a dedicated observer collecting this data for future analysis.

Parameters that will be monitored and recorded include

1. Respiratory rate (# respirations/5 minutes)
2. Blow odor
3. Defecation frequency
4. Position and distance relative to J16 (or other closely associated pod members)s
5. Foraging activity
6. % time spent logging

Local whale watching vessels will be notified (via the PWWA) and asked to avoid the area when monitoring efforts are taking place. SoundWatch, WDFW Enforcement, and NOAA Office of Law Enforcement will be notified when this activity takes place, and will help to maintain a greater than 200 yard buffer around the area. Throughout phase 3, a member/s of the team will be designated to observe for incidental interactions (this job will be designated once boat configurations of personnel are determined).

Phase 2. Initial Feeding

Initial feeding will be tried using live caught wild Chinook salmon, provided and transported by the Lummi Nation. The goal of the initial feeding will be to see if J50 will accept fish via this delivery method, and to see if we can ensure J50 is the only animal consuming the fish we deliver prior to delivering medication to her. Dietary supplementation will be with fish of the highest quality and fat content available.

The fish will be obtained through reef & purse seine fisheries, rod & reel, or collected as fish return to hatcheries. Care will be taken not to damage fish so that there is minimum die-off in the process.

A sample of the fish being fed will be provided to NOAA for analysis of caloric value. Additionally a scale will be collected from each fish prior to release into the water so that it can later be compared with genotyping done on any scales collected in the path of J50 after feeding.

The fish will be transported by the Lummi Nation's enforcement boat (or similar vessel – see Fig.5), in a 6' diameter by 3' deep circular fish transportation tank. Fresh cold sea water will be circulated in the tank at all times to keep the fish in the best condition possible.



Fig.5 - Lummi Nation boat proposed as fish delivery vessel (or similar).

J50 will be observed at a workable distance prior to the deployment of the fish. Ideal conditions for deployment will be if/when J50 separates from other members of her pod. This will allow for positioning of the fish delivery vessel (FDV) approximately 50-100 meters in front of the animal. The vessel will pace J50's speed and wait for the animal to surface directly behind the boat before attempting to deploy the fish. The FDV will maintain slow or idle speed when within 300 meters of J50 (or any other SRKW).

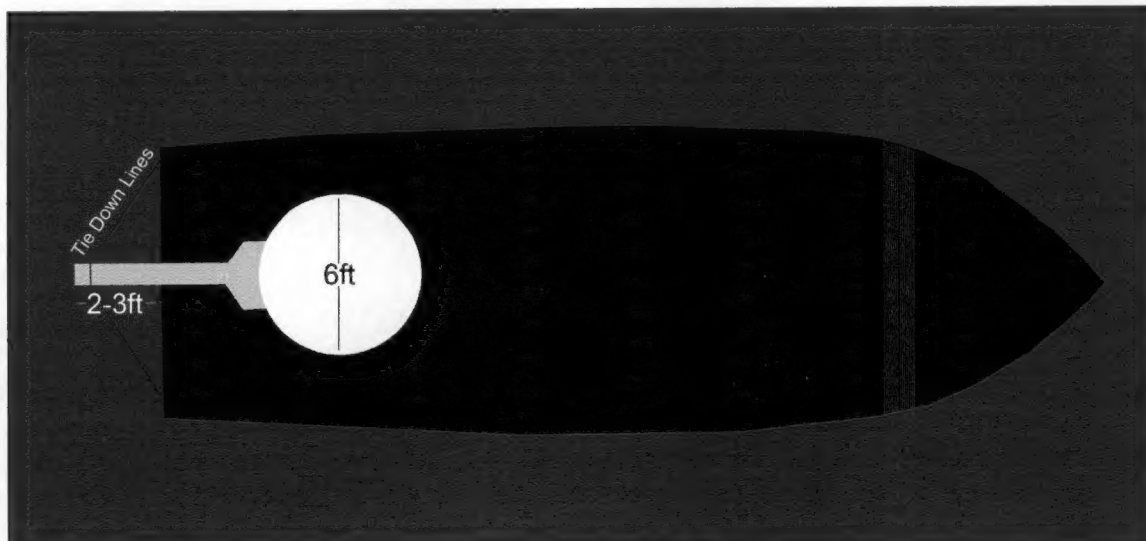


Fig. 6 – FDV Top View

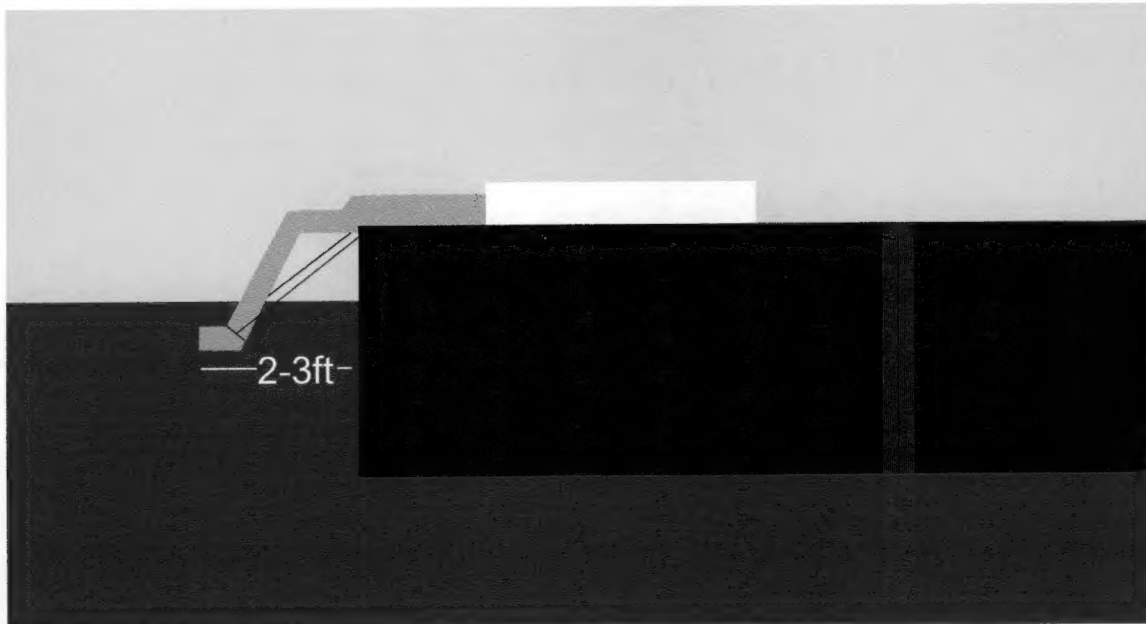


Fig.7 – FDV Side View

A funnelled chute with 8" diameter PVC pipe will be attached to the fish transportation tank. The PVC pipe will extend from the transport tank into the water approximately 12" under the surface and 2-3 feet behind the transom of the boat. Overflow from the tank will be diverted down the chute through the PVC pipe so that when a fish is placed in the chute, the fish can easily slide down the pipe in a constant stream of water. The fish will end up in the bubble slipstream behind the vessel (fig 6 & 7). This method will ensure that there will be minimal damage to the fish, as well as minimize acoustic distinction on which J50 can associate the fish with the FDV.

Fish deployment will be attempted under close observation (via UAV and robust on-water observations from multiple vessel platforms) to confirm whether or not J50 shows interest in and successfully consumes the fish being fed.

A boat will be designated to follow J50 after her period of contact with the fish release area, and attempt to collect scales and other signs of predation that can be genotyped and compared to the fish released.

On the initial attempt, 2-4 fish will be deployed to see how J-50 responds. Although these fish will be disoriented, it is likely that the fish will dive to the bottom, which may lead to difficulties in determining if J50 is consuming the fish (unless obvious foraging behavior is observed). It is important to have confirmation of successful and reliable consumption of deployed fish prior to moving to phase 3.

J50 is likely to shred the fish deployed depending on their size, so it may be possible to add an small number of empty pill capsules to the fish. When she shreds the fish

this will allow for the pill bottles to float up to the surface helping to confirm that J50 has consumed the fish. Simultaneously, this will indicate whether pills placed in the fish is an effective delivery method or other methods of medicating the fish should be considered (i.e. she takes the fish but does not consume the pills).

If necessary, the Chinook can be stunned in fresh water to deplete their oxygen and slow them down. Similarly, tail and pectoral fins of the salmon can be trimmed to slow the fish down. Additionally, fish can be marked with things that will pass through J50 so that there may be the opportunity for confirmation of consumption through fecal collection (beads, corn, small tags).

Fecal samples will continue to be collected throughout the feeding effort when the opportunity arises.

Local whale watching vessels will be notified (via the PWWA) and asked to avoid the area when feeding efforts are taking place. SoundWatch, WDFW Enforcement, and NOAA Office of Law Enforcement will be notified when this activity takes place, and will help to maintain a greater than 200 yard buffer around the area. Throughout phase 3, a member/s of the team will be designated to observe for incidental interactions (this job will be designated once boat configurations of personnel are determined).

Mitigating Boat Association

Ideally, the same vessel will be used as the FDV throughout the response. If feasible, a pinger (designed to play a unique acoustical signature not found in the environment) will be used in association with the FDV to ensure that J50 does not learn to associate boats in general with fish.

Caloric Requirements

The caloric requirement correction factor to use for the difference in behavioral budget between wild and captive killer whales is not known. Food volumes may be more meaningfully extrapolated, because hydration is derived from the food fish. Fish is ~70% water (wt/wt).

The total daily food intake of a 4 yr old female KW at SeaWorld is in the range of 30-35 kg of fish per day, but the mean length of a 4 yr old KW at SeaWorld is ~420 cm. The total daily food intake of a 321 cm long female KW at SeaWorld is in the range of 25-30 kg of fish per day. Based on this, even if caloric requirements are higher by 50% because of activity budget, Dr. Hendrik Nollens would estimate her total daily food intake to be in the 30-40 kg range. Non-spawning Atlantic salmon has close to the same caloric content of herring. Capelin is more lean. Correcting for

this diet difference, Dr. Nollens would estimate her total daily food in salmon-only to be around 30kg, and advised that 30-35 kg per day should be a good, close starting point.

Phase 3. Administer Oral Medication

Medication will be administered to J50 dependent on the outcome of the current and planned health assessment. When treatable and safe to do so, bacterial and fungal pathogens will be treated orally, and administered via fish feeding. Treatment for worms will also be considered. All medication will only be administered after it is confirmed through phase 2 that J50 is the sole animal successfully consuming the deployed fish.

If it is determined that J50 is actively and reliably consuming the fish, individual Chinook will be medicated prior to their deployment. It should be noted that medicated fish will not likely live long and medications should only be administered just prior to deployment.

A 6-12" fishing line will be attached to the snout of chin of the medicated fish. The 6-12" line will be 2-4lb test strength line, made of 100% biodegradable material (made by Eagle Claw). A heavier 20-40lb line will connect the 6-12" back to the boat. The heavier line will be secured to the FDV to help keep the fish on the surface so it will be easier to determine that J50 is consuming the medicated fish. This design will allow the lighter 6-12" line to easily break away when there is tension on the line, minimizing the amount of line consumed by J50. This tether method should be re-evaluated and acoustic pinger conditioning should be considered at the first sign of imprinting.

**This method may be used during phase 2 to confirm that J50 is consuming the deployed fish.*

Local whale watching vessels will be notified (via the PWWA) and asked to avoid the area when oral medication is being administered. SoundWatch, WDFW Enforcement, and NOAA Office of Law Enforcement will be notified when this activity takes place, and will help to maintain a greater than 200 yard buffer around the area. Throughout phase 3, a member/s of the team will be designated to observe for incidental interactions (this job will be designated once boat configurations of personnel are determined).

Medications & Dosage

Medications List In Order Of Priority (*as advised by Dr. Hendrik Nollens*)

1. 5,250 mg levofloxacin, orally, once daily. (e.g. 7 x 750 mg Levaquin tablets)
2. 150 mg voriconazole, orally, once daily (e.g. 3 x 50 mg Vfend tablets)
3. 8,000 mg amoxicillin (without clavulanic acid), orally, once daily (e.g. 16 x 500 mg amoxicillin tablets)

**Cytologic analysis of the white patch behind J50's blowhole may indicate that the antimycotic voriconazole (#3) is not warranted.*

TIME FRAME

The timeframe for this response will be dependent on the location of J50 and her pod, and the availability of live Chinook and the resources needed to deploy them. Ideally, if J50 and her pod (the J16s) are within a workable location, phase 1 can begin immediately, with the goal of following with phase 2 & 3 as soon as the Chinook can be sourced.

POSSIBLE STOPPING POINTS

Progression of response phases is dependent on the success of the previous phase. The progression can be stopped at any time it is deemed in the best interest of the animal or unsafe to continue.

Other stopping points include:

1. Health assessment and monitoring deems no further progression of the phases is necessary (as advised by the team of advisors and experts).
2. Phase 2 does not result in any interest in fish by J50 (the response plan will need to be revised to take a different approach).
3. Phase 3 is completed and all medications have been successfully administered, and J50s condition has been improved (continued monitoring schedule should be determined at this time).
4. If J50 is determined to be under undo-stress from the response, based on observations and data collected by the expert team.
5. J50 expires prior to completing response.

RESPONSE PARTNERS

This will be a coordinated effort between NOAA, WDFW, The Lummi Tribe, The Whale Sanctuary Project, SeaDoc, UW Center For Conservation Biology, Wild Orca, Center For Whale Research, Vancouver Aquarium, Sea World, SR3, SoundWatch, WDFW Enforcement, NOAA Office Of Law Enforcement.

The following panel of marine mammal veterinarians is currently consulting on the response plan and will continue to be involved throughout the process.

Dr. Joe Gaydos (SeaDoc)
Dr. Jim McBain (SeaWorld)
Dr. Hendrik Nollens (SeaWorld)
Dr. Martin Haulena (Vancouver Aquarium)
Dr. Pete Schroeder (US Navy)
Dr. Stephen Raverty (University of BC)
Dr. Frances Gulland (The Marine Mammal Center)

RESPONSE PERSONEL

The following personnel will be involved in this response at varying points, though the exact configuration of personnel on each boat at any given time will shift depending on needs of the effort and the availability of the individuals involved.

Dr. Joe Gaydos (SeaDoc)
Dr. Jim McBain (Sea World)
Dr. Hendrik Nollens (Sea World)
Dr. Martin Haulena (Vancouver Aquarium)
Dr. Stephen Raverty (University of BC)
Dr. Pete Schroeder (US Navy)
Lynne Barre (NOAA)
Dr. Brad Hanson (NOAA)
Candice Emmons (NOAA)
Dr. John Durban (NOAA)
Dr. Holly Fernbach (NOAA & SR3)
Jeff Foster (Whale Sanctuary Project)
Katy Foster (Whale Sanctuary Project)
Charles Vinick (Whale Sanctuary Project)
Stephen Jeffries (WDFW)
Dyanna Lambourn (WDFW)
Ken Balcomb (Center For Whale Research)
Dave Ellifrit (Center For Whale Research)
Dr. Sam Wasser (UW Center For Conservation Biology)
Dr. Deborah Giles (UW Center For Conservation Biology & Wild Orca)
Collette Yee (UW Center For Conservation Biology)
Kurt Russo (Lummi Nation)

Jay Julius (Lummi Nation)
Jewel James (Lummi Nation)
**Additional persons to be named (Lummi Nation)*

Boats

Hurricane 733 (NOAA)
21ft Grady-White (UW)
Lummi Nation (see fig.1)
**Additional boats to be added*

DOCUMENTATION

It will be vital to document the whole process as thoroughly as possible, including data collection and image/video collection. There is much to be gained from this event and it is important that we all learn from it – to not only ensure that we are actually moving forward in this case, but also to allow others to learn and expedite their action plan should they encounter a similar situation in the future. All documentation will be submitted to and held by NOAA.

APPENDIX A

150 PROPOSED HEALTH ASSESSMENT OF RECOVERED BLOW AND FECAL SAMPLES

INSTRUCTIONS FOR SAMPLE PROCESSING ON-BOARD:

Exhaled breath samples*:

If feasible, breath samples should be collected simultaneously on blood agar, Sabouraud's, salt enriched agar, and a sterile empty petri dish. If this is not possible, the exhaled breath should be collected on a sterile petri dish with no media.

1. If breath samples are collected on separate Blood agar, Sabouraud's, salt enriched agar plates:
 - a. Close lid after sample collection, label, tape shut and keep cool until shipping.
2. If only a single sterile empty collection plate(s) is used to collect the breath sample, then sub-sample the surface with sterile swabs:
 - a. With 1 swab, prepare smears on 3 glass slides. Label and place the slides in a secure area and air dry. Keep at room temperature until shipping to SeaWorld.
 - b. Collect 2 swabs in transport media for bacteriology (Ames) and 2 replicate dry swabs for fungal culture. Keep the swabs for fungal culture dry and in separate sterile containers. Keep cool and ship 1 bacteriology swab and 1 fungal swab each to SeaWorld and UC Davis.
 - c. Place a third swab RNA Later® or retain dry and place in a sterile container. Refrigerate until shipped to UC Davis and NOAA.

Fecal samples*:

1. Place replicate samples of 2-4 ml of feces in 3 separate sterile containers and chill.
2. Place one sample of 1.0 ml of feces in a sterile container for molecular analysis and possible electron microscopy. Maintain chilled until shipping.
3. Swab the fecal sample using a Teflon or cotton swab. Place either in RNA Later® or a sterile container for microbiome studies. Keep at room temperature or chilled until shipment.

*Surplus samples should be inventoried and kept chilled.

INSTRUCTIONS FOR SAMPLE SHIPPING AND PROCESSING ON LAND:

Samples should be collected as early in the day as possible and shipped that afternoon to expedite overnight delivery to reference laboratories. The labs and contact information are provided below. When shipping, please inform Dr J Gaydos to ensure the labs are prepared to receive the samples and case submission forms are included.

Sample	Lab	Status/Disposition
Breath sample	UC Davis	
Breath sample	SeaWorld	
Breath sample	Dr Linda Rhodes	
Fecal sample	UC Davis	
Fecal sample	SeaWorld	
Fecal sample	Dr Linda Rhodes	
Fecal sample	Dr Chelsea Wood	

REFERENCE LABORATORIES AND CONTACT INFORMATION

Microbiology and molecular studies

Dr Tracey Goldstein
 School of Veterinary Medicine
 Wildlife Health Center
 University of California,
 1 Shields Avenue,
 Davis, California, 95616-8734
 (530) 752-4167
 FAX (530) 752-3318
<http://www.vetmed.ucdavis.edu/whc>

Diagnostic microbiology, parasitology and clinical pathology

Dr Hendrik Nollens
 SeaWorld San Diego
 Veterinary Services
 500 SeaWorld Dr
 San Diego CA 92109
 (619) 606-6178

Microbiome, fecal hormones and prey analysis

Linda D. Rhodes, Ph.D.
 Program Manager, Marine Microbes & Toxins Program
 Northwest Fisheries Science Center, NOAA Fisheries
 2725 Montlake Boulevard East
 Seattle, WA 98112 USA
 (206) 860-3279

Parasitology

Chelsea L. Wood, Ph.D.
Assistant Professor
University of Washington
School of Aquatic and Fishery Sciences
Box 355020
Seattle, WA 98195-5020
(831) 324-3076



Dickie, Catherine

From: Thornton, Sheila
Sent: August-02-18 5:00 PM
To: Lowe, Carmel; Cottrell, Paul
Cc: MacConnachie, Sean; Kennedy, Eddy
Subject: J50 update
Attachments: Emergency Response to Provide Oral Medical Treatment Proposal for J50

Update on J50 – we had a call with the vets and our NOAA colleagues this morning on the health of J50, the 4 year old female calf that has been noted to be in poor condition. We now have lateral photos, photogrammetry, breath sample and fecal sample analyses.

The photogrammetry shows that she is in extremely poor body condition and is worse than J52, another calf that was assessed in 2017, who was lost from the population a couple of weeks later.

Breath sample analysis of microbiome did not reveal any pathogens, but the technique is insensitive and did not provide sufficient information for diagnosis.

Fecal samples also show some pathogens, but again, the data are not conclusive.

She has a white patch behind her blow hole that has been sighted intermittently over the last few weeks; this could be exudate from the blow hole, or possibly a skin condition (yeast infection, etc).

Approximately 48% of animals that strand/die, they have pneumonia. Primarily bacterial, and in approximately half of those cases, pneumonia is a cause of death.

We are discussing what diagnostics need to be undertaken to understand if there is any intervention that could be undertaken if:

- a) Cytology shows that she has an overwhelming infection – can she be medicated, and if so, how would this unfold?
- b) Discussions on the potential for provisioning of J50 with salmon – vector for medication, nutritional supplementation
- c) Possibility of separating J50 from mum/matriline
- d) Permits could be brought in to allow actions ranging from feeding through to separation, live pen, capture

Concerns over provisioning leading to behavioural imprinting were discussed; concepts included running a live salmon down a tube to separate the delivery of fish from the human contact.

A request is being submitted from members to NOAA to permit treatment; a similar preliminary request has been made to DFO (see attached email).

I may stay down south for a few more days and take Marty Haulena (Ocean Wise vet) out to get samples; Paul, I'd like to coordinate with you – please give me a call.

Updates will follow as they come in. My Sooke crew just left J35 just east of Jordan River – she is STILL carrying the calf.

Sheila

Sheila J. Thornton, Ph.D
Research Scientist, Ecosystem Sciences Division (ESD), Science Branch

Fisheries and Oceans Canada / Government of Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel 604-364-5917

Scientifique de recherches, Division des sciences de l'écosystème, Sciences
Pêches et Océans Canada / Gouvernement du Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel 604-364-5917

Girouard, Louise

From: Girouard, Louise
Sent: Friday, August 3, 2018 7 13 AM
To: Michael Milstein - NOAA Federal, RHQ - Media PAC
Subject: Re Communications coordination with NOAA Fisheries

Good morning Michael,

Thank you for reaching out. Please don't hesitate to contact me or my colleague Dan Bate at dan.bate@dfo-mpo.gc.ca at any time.

We do have lines but they were more high level as we were monitoring the situation. Happy to share our updated materials once we have confirmed next steps with our officials and if you could do the same it would be greatly appreciated. You are right, media interest is very high.

L
Louise Girouard
Regional Director, Communications | Directrice régionale, communications
Fisheries, Oceans and Canadian Coast Guard, Pacific Region | Pêches, Océans et Garde côtière canadienne, région du Pacifique
Tel: 604 666.3855 (o) [REDACTED] (c) louise.girouard@dfo-mpo.gc.ca

From: Michael Milstein - NOAA Federal
Sent: Friday, August 3, 2018 12:49 AM
To: RHQ - Media.PAC
Subject: Communications coordination with NOAA Fisheries

Hello,

I contacted Lara Sloan, but she is out and referred me to this email address.

You are probably aware of this by now but we are considering whether it makes sense to attempt some sort of action to help J50

See The Seattle Times article tonight.

This story came out faster than we expected, so sorry for the late notice.

We would like to stay in close coordination with you at DFO on this as it develops, as the whales have been moving back and forth across the border. This will be especially valuable in terms of communications to the press. Are you developing talking points or anything similar on this issue?

Please let me know if there is anything I can do to help or assist you.

Best
Michael

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]



NOAA FISHERIES

Find us online

www.nmfs.noaa.gov



Dozie, Juachi

From: Cottrell, Paul
Sent: August-03-18 7 08 AM
To: Michael Milstein - NOAA Federal
Cc: Lynne Barre - NOAA Federal, Bate, Dan; Girouard, Louise, Sloan, Lara, Davis, Neil, Kennedy, Eddy, MacConnachie, Sean, Thornton, Sheila, Thomson, Andrew
Subject: Re. Emergency response to J50

Hi Michael,

Yes, it would be useful to coordinate efforts and press releases on potential efforts to intervene with J50 [REDACTED]. As you guys know this is a very complicated issue with many potential outcomes (good and bad) if intervention is decided. Appropriated licencing and contingencies will have to be considered. I recommend a NOAA/DFO call with MM science, MM management and communications staff to discuss (This Tuesday would be good) to ensure a coordinated response. The conference calls with experts discussing current status, condition, potential pathogens and actions to collect additional information to assess J50 have been very useful. The broad range of potential actions which could be considered needs to be further discussed. Let me know when you guys are available for a call on Tuesday. For now let's consider Tuesday 11 am as a straw dog time for a call (Monday is a holiday in BC).

Best,
 Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Michael Milstein - NOAA Federal
Sent: Friday, August 3, 2018 12:34 AM
To: Sloan, Lara; Cottrell, Paul
Cc: Lynne Barre - NOAA Federal
Subject: Emergency response to J50

Hi Lara and Paul,

You are probably aware of this by now but we are considering whether it makes sense to attempt some sort of action to help J50.

See The Seattle Times article tonight.

This story came out faster than we expected, so sorry for the late notice.

We would like to stay in close coordination with you at DRO on this as it develops, as the whales have been moving back and forth across the border. This will be especially valuable in terms of communications to the press. Are you developing talking points or anything similar on this issue?

Please let me know if there is anything I can do to help or assist you.

Best
 Michael

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell. [REDACTED]

[REDACTED]



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Girouard, Louise

From: Girouard, Louise
Sent: Tuesday, August 7, 2018 11 34 AM
To: Forbes Darby - NOAA Federal, RHQ - Media PAC
Subject: RE J50 Response Partners Communication Call - Wednesday @ 3 30-4 30pm

Thank you the invitation.

I and Janine Malikian will join the call tomorrow.

L

Louise Girouard

Regional Director Communications | Directrice régionale des communications

Pacific Region | Région du Pacifique

Fisheries, Oceans and Canadian Coast Guard | Pêches, Océans et Garde côtière canadienne

Louise.Girouard@dfo-mpo.gc.ca Tel: 604.666.3855 | Cell: [REDACTED]

From: Forbes Darby - NOAA Federal <[REDACTED]>
Sent: Tuesday, August 7, 2018 11:06 AM
To: RHQ - Media PAC <Media.PAC@dfo-mpo.gc.ca>
Subject: Fwd. J50 Response Partners Communication Call - Wednesday @ 3:30-4:30pm

Good morning,

I got a notification that Lara was out of the office. If there's someone else who may be interested in participating in a communications call regarding the emergency response to Southern Resident J50, please share this invitation with them.
 Forbes

----- Forwarded message -----

From: Forbes Darby - NOAA Federal <[REDACTED]>
Date: Tue, Aug 7, 2018 at 10:57 AM
Subject: J50 Response Partners Communication Call - Wednesday @ 3:30-4:30pm
To: Ruth Howell - NOAA Federal <[REDACTED]> Michael Milstein - NOAA Federal
 [REDACTED] Jim Milbury - NOAA Federal [REDACTED] Sarah Mesnick
 [REDACTED] - NOAA Federal [REDACTED], Amilee Wilson - NOAA Federal
 [REDACTED] Lara.Sloan@dfo-mpo.gc.ca, [REDACTED]
 [REDACTED]

Good morning,

Would you be available at 3:30 pm PDT tomorrow (Wednesday) to discuss coordinating communications on the J50 emergency response?

Undoubtedly, you're also getting a number of requests for information from a variety of media, concerned citizens, and others. We thought it would be helpful to get together with the partners involved in the response effort to discuss our individual communication efforts and ways to coordinate.

In particular, we could discuss:

1. Who's who.
2. What we're doing

3. How can we work together

, help each other, and stay coordinated.

Here is dial-in information for the call
503-326-7666

Also, I want to share NOAA Fisheries' working communications plan. It outlines the steps we're taking to provide regular public updates and stay in sync with the on-the-water response team

Please let me know if I should be reaching out to others who should be included in this conversation. And let me know if I can answer any questions in the meantime.

Regards,
Forbes

--

Forbes Darby
Communications Program Manager

NOAA Fisheries

Northwest Fisheries Science Center

Cell [REDACTED]

--

Forbes Darby
NOAA Fisheries West Coast Region
Communications and External Affairs Branch
1201 NE Lloyd Blvd, Suite 1100
Portland, OR 97232
Office 503-736-4720
Cell [REDACTED]

Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Tuesday, August 7, 2018 7:36 PM
To: Girouard, Louise, Malikian, Janine, Jim Milbury, Ruth Howell - NOAA Federal
Subject: Have you released information on J50 being seen?

This story from The Canadian Press is reporting that DFO says she has been spotted.

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office. 503-231-6268

Cell. [REDACTED]
[REDACTED]



NOAA FISHERIES

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Dozie, Juachi

From: Cottrell, Paul
Sent: August-07-18 7 24 AM
To: Thomson, Andrew, Davis, Neil
Subject: NOAA and J50 Activities/Media
Attachments: Communications Plan for Emergency Response to J50 pdf, Communications Plan for Emergency Response to J50 docx

Hi Andy/Neil,

[REDACTED] I wanted to give you an update that Jpod has not been seen in in-shore waters for several days so there has been no interaction with NOAA folks. K and L pods have been off Vancouver Island in Canadian waters in the fog. The fog is thick off Vancouver Island again today. So there is unlikely to be an sightings of Jpod. I really look forward to getting a detailed project proposal with methods from NOAA on their proposed intervention activities so we can properly evaluate the risks and rewards from their proposed activities. J50's body condition from photogrametry research indicates her body condition in compromised. The underlying cause and if there are any pathogens involved are unknown at this time. Breath sample cultures have come back negative. I'm on the water today and will be in the Sooke area working with Strait watch and will update you if anything changes. There is a call this morning at 11 between NOAA/DFO regarding media activities and better coordinating things. Our DFO media folks will be on call. Call-in : 1-877-413-4781 Conf ID: [REDACTED] if you would like to participate. I'll be joining in.

Best,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Monday, August 6, 2018 10:57 PM
To: Cottrell, Paul
Cc: Sloan, Lara; Ruth Howell - NOAA Federal; Malikian, Janine; Girouard, Louise; Bate, Dan; Jim Milbury
Subject: Re: ok to include Vancouver Aquarium?

[REDACTED]

I am attaching our communications plan as it now stands, as we have been fine-tuning it even today. I am attaching in both PDF and Word format, so that you can insert comments or edits in the Word version if you have time.

I think you and Lara know this, but please all of you should know that you can call or email if there is anything we can answer or clarify at any point. It is important that we be consistent and coordinated. I would much rather you contact us at any hour instead of remaining unclear or uncertain about what we are doing.

Best,
Michael

On Mon, Aug 6, 2018 at 10:35 PM, Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca> wrote:

s.19(1)

s.21(1)(a)

s.21(1)(b)

Hi Michael,

For tomorrow, let's have a DFO/NOAA call. Federal Government to Federal Government. There will be lots of opportunity for further calls with others. [REDACTED]

Thanks,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Michael Milstein - NOAA Federal
Sent: Monday, August 6, 2018 10:01 PM
To: Cottrell, Paul; Sloan, Lara
Cc: Ruth Howell - NOAA Federal
Subject: ok to include Vancouver Aquarium?

Hi Paul and Lara,

I will defer to you on this, but I think it would be helpful to include Deana Lancaster of the Vancouver Aquarium on our call at 11 am Tuesday. As you know they are participating in the response and I think they would benefit from hearing our discussion, especially in terms of communications. I have shared our Communications plan with Deana, and am including it here as well.

Let me know if you are ok with that, and I will then invite Deana.

Look forward to talking to you Tuesday.

Best
Michael

p.s. I am including Ruth Howell, our [REDACTED] communications manager for NOAA Fisheries on the West Coast. [REDACTED]

[REDACTED]

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office 503-231-6268

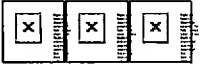
Cell. [REDACTED]

[REDACTED]



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--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]



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J50 Crisis Communications Plan

Date: August 5, 2018

Background & Purpose:

Biologists and whale stranding experts are mobilizing to respond to an emaciated and ailing young killer whale of the endangered Southern Resident population, J50 (also known as Scarlet). Response options under consideration range from no intervention to feeding her live chinook salmon and treating her with antibiotics delivered in the fish. This population has been in the public eye locally and internationally and any news generates a high level of interest and concern. This plan is designed to coordinate information flow and review internally, and external updates to interested parties while response activities are underway. Our goal is to provide consistent and timely updates and minimize demand on the response team.



Daily Information Flow

Note: These are the daily check in meetings and do not preclude rapid response to breaking issues. We intend to post/release an update at least once a day.

9PM PDT	Response Team Daily Debrief (written summary distributed by Wilkinson)
10PM PDT	If Breaking News. WCR Communications Team sends out cleared "holding statement" based on Wilkinson statement for the Hill, Tribes, Media (WCR Clearance, sent to Guidon, Htun, Wilson, Milstein). Broad distribution. Note: Any breaking news during the day WCR will give a 1 hour notice to HQ before distributing to media.
(next day)	
AM EDT	(as needed) Notifications to NOAA Fisheries Leadership (Htun, Guidon)
AM EDT	(as needed) Congressional Notification as needed (Guidon, Lizama?)
AM PDT	(as needed) Tribal Notification (Wilson)
8:30AM PDT	NOAA Fisheries + Partners Communications Daily Tag Up (Howell)
10AM PDT	Daily Media Call (Hosted by NOAA/Milbury/Barre, other SMEs as needed)
5PM PDT	Day-End Communications Check-In (SHORT) (WCR Comms Team, HQ team optional but welcome as needed)

NOAA Communications Team Members - Participants in 8 30am daily call.

Note. as we reach out to response effort partners, we may add their names

Name	Title & Organization	Roles/Responsibility	Contact Info
Ruth Howell	WCR Branch Chief for Communications and External Affairs	Team Lead	 Work TBD
Forbes Darby	NWFSC Communications	Team Co-Lead	

	Program Manager		Work 206-302-2474
Sarah Mesnick	SWFSC Science Liaison	SWFSC Liaison, Strategic advice, general support as needed	Work 858-546-7148 Cell [REDACTED]
Kate Naughten	NOAA Fisheries Communications Director	HQ Liaison, provide HQ support as needed	Cell [REDACTED] Work 301-427-8057
Michael Milstein	WCR Public Affairs	Media Lead	Cell [REDACTED] Work 503-231-6268
Jim Milbury	WCR Public Affairs	Constituent affairs, video and graphics, clips monitoring, media backup	Work 562-980-4006 Cell [REDACTED]
Amilee Wilson	WCR Tribal Liaison	Tribal Lead	Work 360-753-5820
Jennifer Ise	WCR Clearance	Clearance, Website updates	Work 562-980-4046
John Ewald	NOAA Fisheries Public Affairs, Director	Support media efforts, Monitor social media, rumor and sentiment monitoring	301-427-8029, cell [REDACTED]
Jennie Lyons	NOAA Fisheries Public Affairs	Support media efforts, Monitor social media, rumor and sentiment monitoring	301-427-8013, cell [REDACTED]
Kate Brogan	NOAA Fisheries Public Affairs	Support media efforts, Monitor social media, rumor and sentiment monitoring	301-427-8030, cell [REDACTED]
Teri Rowles	NOAA Fisheries Office of Protected Resources	Response Team Liaison	Work 301-427-8448
Samantha Guidon	NOAA Fisheries Congressional Affairs	Congressional and HQ notification	Work 301-427-8022 Cell [REDACTED]
Emma Htun	NOAA Fisheries Advisor for Regulatory Programs	HQ notification	Work 301-427-8070
Lynne Barre	WCR Protected Species Seattle Branch Chief	Subject Matter Expert	Work 206-526-4745 Cell [REDACTED]
Jenna Swartz	NOAA Fisheries Social Media	National Social media as needed	Cell [REDACTED]
Matt Ellis	NOAA Fisheries Website	National website and social media support as needed	Work 301-427-8044
Heather Wright, Paul Hillman,	NOAA Fisheries Video team	Video Support	Wright 703-867-5569

Deanna Morris			
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Invited but optional Scott Rumsey, Nicolle Hill

Communications Daily Tag Up Purpose & Agenda

- Debrief from response team re accomplishments
- Hone daily messages
- Determine day's communications strategies
- Review previous day's effort
- Share inquiries and reactions from public and partners

Response Partners Communications Contacts

Organization	Name	Title & Role	Contact Info
University of Washington	Deborah Giles	Researcher, fecal sample collection	[REDACTED] 916-531-1516
	Sam Wasser	PI, researcher, fecal	[REDACTED]
	Michelle Ma	Assistant News Director	206-543-2580 [REDACTED]
Vancouver Aquarium	Martin Haulena Jim McBain	Veterinary Medical Assessment	[REDACTED] office 604 659 3752 cell [REDACTED]
	Deana Lancaster	Communications Manager	
SR3	Holly Fearnbach	Photogrammetry	hfearnbach@sealifer3.org
Department of Fisheries and Oceans	Lara Sloan	DFO Communications Advisor	Office 250.363 3749 Mobile [REDACTED] Lara.Sloan@dfo-mpo.gc.ca

	Paul Cottrell	DFO Marine Mammal Coordinator	604-240-3841
	John Ford	Killer whale biologist	250-667-4698
	Stephen Raverty	Pathologist and expert on diseases in killer whales	778-839-6916
Lummi Nation	Kurt Russo	Lummi Treaty Protection Task Force	
	Back up POC Tony Hillaire	Lummi Indian Business Counsel, Chief of Staff	
Governor Inslee office/WDFW	WDFW Enforcement	JT Austin Tara	
Sea World	Taylor Claytor		
Whale Museum's Soundwatch Program	Taylor Shedd		

Media POCs:

[See media plan here](#)

Jim Milbury (Primary)

Michael Milstein (Backup)

John Ewald/Jennie Lyons/Kate Brogan (Backups, HQ/OPR liaisons if needed)

Maggie Mooney-Seus (Backup)

Subject Matter Experts

Lynne Barre, Primary Spokesperson, SRKW recovery plan and efforts Management and conservation efforts, response activities 206-526-4745, [REDACTED]

Brad Hanson, SRKW research program, biology, life history, research on limiting factors 206-860-3220, [REDACTED]

John Durban, Photogrammetry, Life history and population dynamics of killer whales 858-334-2866, [REDACTED]

Mike Ford, General SRKW research program, genetics 206-860-5612, [REDACTED]

Teri Rowles, Veterinary consultations/coordination, Health and Stranding program, permit requirements 301-427-8448, [REDACTED]

Sarah Wilkin, stranding program, permit requirements, response activities 301-427-8470, [REDACTED]

Linda Rhodes, microbiology and detecting microbes in biological samples (breath, biopsy, etc) 206-860-3279, [REDACTED]

Order of Notification

- 1 Regional and National Fisheries and NOAA Leadership
- 2 Congressional/Tribal
3. Stakeholders/Partners
4. Public/Media

NOAA Clearance and Notification Process (Social Media posts, talking points, webstories, etc)

Note WCR has been designated the lead entity All communications are to be treated like a mini-rollout with WCR Clearance and short suspense HQ, Congressional, & tribal notification

- Controversial/Breaking News
 - WCR Clearance (SME (Wilkinson), Branch Chief (Barre), ARA (Yates), Ise, Hill/Rumsey)
 - In rapid succession
 - HQ/Hill notification Ise sends to Sam G (cc Emma and Kate)
 - Tribal notification Wilson sends to tribes (cc Heather Sagar and Linda Belton?)
- Non-controversial/Previously Cleared information
 - WCR Clearance
- Note all finalized and approved communications will be stored in the J50 Google Drive (i.e. talking points, daily updates, press releases, etc)

Planned Products Under Development

- Dedicated WCR website for updates & documents (Ise, Peters --complete)
- Email for ideas and suggestions from the public (Killerwhale help@noaa.gov)
- Photo and Video Footage (Freelancer John Gussman) (Milstein)
- Regular social media posts (Milstein/Milbury, Swartz, Ellis)
- Flickr and Broll for still and video footage (Milbury, Wright)
- Holding statement for J50 disappearance (Milstein, Milbury)
- Media Clips (Milbury)
- FAQs on Feeding and Treatment

Products and Tactics for Future Consideration

- Interactive Forum on San Juan Islands (TBD, possibly partners)

- Op-Eds or Leadership Statements (As Needed)

Key Messages and Talking Points (As of 8/4/18)

- 1. Our scientists, with other experts, are on the water right now assessing the health of J50, the juvenile female Southern Resident killer whale known as Scarlet that has been seen in poor condition.**
 - a. Sightings indicate that J50 is emaciated and is sometimes lethargic in the water, but still has periods of activity, including feeding. Analysis of a small sample of her breath did not definitively indicate an infection or illness, although it does not rule one out either.
 - b. The steps we are taking to understand and treat J50 require a scientifically sound approach. We must approach this carefully and deliberately so that if we decide to feed her, we avoid creating a dependence on supplied food.
 - c. To inform development of additional emergency response and medical treatment plans, scientists will;
 - i. Continue with coordinated observations and documentation of behavior and condition (using vessel and Unmanned Aerial Systems, or UAS).
 - ii. Conduct a veterinary health assessment.
 - iii. Collect additional diagnostic samples (e.g., fecal, breath, exudate or skin patch) if possible over the next several days.
 - d. These efforts are being conducted by experts authorized under NOAA Fisheries Marine Mammal Health and Stranding Response Program permit and coordinated between U.S. and Canada.
- 2. Over the weekend (Aug 4-5), these experts – including the top veterinarians and whale biologists from both the U.S. and Canada – will be evaluating short-term response options to help this whale that has grown weaker over time. These options range from doing nothing to getting food and medicine to the emaciated whale.**
 - a. Operations to assist J50 could begin as soon as this Monday (Aug 6).
 - b. We ask boaters and aircraft to avoid the area where researchers are operating and follow all regulations and air traffic restrictions.
 - c. A plan to assess the possibility of emergency medical treatment is in development for evaluation by NOAA Fisheries under our Marine Mammal Health and Stranding Response Program permit.

- d. Details of the plan are pending and risks to J50 and other Southern Residents will be evaluated and minimized to the extent possible prior to authorization.
- 3. **We share the public's concern over the condition of the Southern Residents, and in particular, J50. While difficult, this is also opportunity for researchers to more closely study and understand the root cause of J50's condition in hope of preventing or treating other whales in the future.**
 - a. NOAA Fisheries and partners are also monitoring the situation with J35, also known as Tahlequah, who has been carrying her dead calf for over a week.
 - b. We all feel the loss of another calf, and our scientists continue to monitor her and encourage efforts to reduce vessel disturbance around her.
 - c. An emergency response for J35 has not yet been evaluated or initiated.
- 4. **We're also continuing our longer-term efforts to address the three main threats to these whales: having enough salmon to eat, vessel traffic and underwater noise, and marine pollution.**
 - a. Refer to the Species in the Spotlight 5-year action plan
- 5. **Working with partners in other federal agencies, academia, and the private sector, we've developed advanced unobtrusive scientific methods to learn about the lives of these killer whales, monitor their status, and understand threats to their population.**
 - a. The techniques include. photogrammetry, tagging, genetic analysis of scat, and breath sampling for microbes.
- 6. **We have more information about efforts to recover the Southern Residents on our website. Also, we will provide progress updates on our Facebook page. In the meantime, we ask for the public's cooperation in steering clear of the immediate area while research and emergency response activities are taking place.**

Key High-level Messages:

- Southern Resident killer whales are a highly endangered, specialized population of killer whales that now number 75, the lowest in decades. Female whales are especially valuable to the population given their reproductive potential.

- Safety is paramount. The first priority of all operations remains the safety of responders and the whales.
- We are drawing on the knowledge and expertise of the world's top experts to develop and implement the response plan, and will consistently reevaluate the benefits of intervention against the risk of disturbance to the J-pod as a whole.
- Biologists recognize that most killer whales that have deteriorated to the extent of J50 do not recover. Attempting intervention has rarely if ever been attempted before. Doing so is an experimental approach, with uncertain chances of success.
- While we are now focused on short-term support for J50, we continue to work with partners across the region to advance plans for the long-term recovery of Southern Resident killer whales. Everyone on the West Coast has a role in protecting the whales.

Background:

- J-50 history Born in late December 2014. Mother, J16. Drone photogrammetry studies by Durban (NOAA/SWFSC), Fearnbach (SR3) and Barrett-Lennard (Vancouver Aquarium) have documented J-50's small size for her age since her first year of life, and notably poorer body condition in 2017. More recently, Center for Whale Research observed further declining body condition from boat observations starting in January 2018 culminating in the current conspicuous depression behind the blowhole "peanut head". Activity level and association with mom and pod has varied.
- Consultation call 7/26 Gaydos/SeaDoc Society held a call of researchers and vets to discuss history and current condition of J50 based on field observations and sampling. Activity level and association with mom and pod has continued to vary in recent observations. No obvious skin condition. Recent odor from breath smelled by Giles/UW. Fecal samples collected by Hanson/NWFSC and Giles/UW from whale groups with J50 and frozen, but have not been analyzed or identified as J50 samples. Video and breath sample collected by Hanson/NWFSC 7/21, no breath odor detected, analysis pending. Vessel activity near J50 reduced by proactive efforts by Pacific Whale Watch Association, Soundwatch, Enforcement and coordinated in US and Canadian waters. Next steps- continued photo, video and behavior monitoring, UAS photogrammetry field visit planned starting 8/1. Vets will develop sampling protocol for cytology/culture samples from breath and feces.
- Consultation calls 8/2 NOAA hosted a call to review updates. Photos from UAS (Durban/SWFSC, Fearnbach/SR3) collected on 8/1 show J50 in very poor

condition (similar to the measured condition of her cousin J52 before he disappeared in 2017) and show white patch behind the blowhole and it is unknown if on skin or exudate from blowhole UAS observations of J50 close with J16, J50 near J26 chasing fish at surface, and J50 defecation Lagging behavior may be increasing, and in general whale displays an unusual labored ("ploughing") action when surfacing, but periods of activity also observed by UAS and from boat observations (US and Canada). Additional information to be collected- UAS will continue including photogrammetry measurements of condition, photo documentation of skin condition and respiration rates Breath sample and confirmed collection a fecal sample from J50 for PCR analysis if possible A veterinary health assessment was identified as a priority and NOAA has provided authorization for several vets.

J50 Crisis Communications Plan

Date: August 5, 2018

Background & Purpose:

Biologists and whale stranding experts are mobilizing to respond to an emaciated and ailing young killer whale of the endangered Southern Resident population, J50 (also known as Scarlet). Response options under consideration range from no intervention to feeding her live chinook salmon and treating her with antibiotics delivered in the fish. This population has been in the public eye locally and internationally and any news generates a high level of interest and concern. This plan is designed to coordinate information flow and review internally, and external updates to interested parties while response activities are underway. Our goal is to provide consistent and timely updates and minimize demand on the response team.

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Forbes Darby	NWFSC Communications Program Manager	Team Co-Lead	Cell [REDACTED] Work: 206-302-2474

Sarah Mesnick	SWFSC Science Liaison	SWFSC Liaison, Strategic advice, general support as needed	Work 858-546-7148 Cell [REDACTED]
Kate Naughten	NOAA Fisheries Communications Director	HQ Liaison, provide HQ support as needed	Cell [REDACTED] Work 301-427-8057
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Jennifer Ise	WCR Clearance	Clearance, Website updates	Work 562-980-4046
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Teri Rowles	NOAA Fisheries Office of Protected Resources	Response Team Liaison	Work 301-427-8448
Samantha Guidon	NOAA Fisheries Congressional Affairs	Congressional and HQ notification	Work 301-427-8022 Cell : [REDACTED]
Emma Htun	NOAA Fisheries Advisor for Regulatory Programs	HQ notification	Work 301-427-8070
Lynne Barre	WCR Protected Species Seattle Branch Chief	Subject Matter Expert	Work 206-526-4745 Cell [REDACTED]
Jenna Swartz	NOAA Fisheries Social Media	National Social media as needed	Cell [REDACTED]
Matt Ellis	NOAA Fisheries Website	National website and social media support as needed	Work: 301-427-8044
Heather Wright, Paul Hillman, Deanna Morris	NOAA Fisheries Video team	Video Support	Wright 703-867-5569

Invited but optional: Scott Rumsey, Nicolle Hill

s.16(2)

s.19(1)

Communications Daily Tag Up Purpose & Agenda

- Debrief from response team re: accomplishments
- Hone daily messages
- Determine day's communications strategies
- Review previous day's effort
- Share inquiries and reactions from public and partners

Response Partners Communications Contacts

Organization	Name	Title & Role	Contact Info
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	Sam Wasser	PI, researcher, fecal	
	Michelle Ma	Assistant News Director	206-543-2580
Vancouver Aquarium	Martin Haulena Jim McBain	Veterinary Medical Assessment	
	Deana Lancaster	Communications Manager	office 604 659 3752 cell
SR3	Holly Fearnbach	Photogrammetry	
Department of Fisheries and Oceans	Lara Sloan	DFO Communications Advisor	Office: 250 363 3749 Mobile: Lara.Sloan@dfo-mpo.gc.ca
	Paul Cottrell	DFO Marine Mammal Coordinator	604-240-3841
	John Ford	Killer whale biologist	250-667-4698
	Stephen Raverty	Pathologist and expert on diseases in	778-839-6916

		killer whales	
Lummi Nation	Kurt Russo Back up POC Tony Hillaire	Lummi Treaty Protection Task Force Lummi Indian Business Counsel, Chief of Staff	
Governor Inslee office/WDFW	WDFW Enforcement	JT Austin Tara	
Sea World	Taylor Claytor		
Whale Museum's Soundwatch Program	Taylor Shedd		

Media POCs:

[See media plan here](#)

Jim Milbury (Primary)

Michael Milstein (Backup)

John Ewald/Jennie Lyons/Kate Brogan (Backups; HQ/OPR liaisons if needed)

Maggie Mooney-Seus (Backup)

Subject Matter Experts

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Brad Hanson, SRKW research program, biology, life history, research on limiting factors 206-860-3220; [REDACTED]

John Durban, Photogrammetry, Life history and population dynamics of killer whales 858-334-2866, [REDACTED]

Mike Ford, General SRKW research program, genetics 206-860-5612, [REDACTED]

Teri Rowles, Veterinary consultations/coordination, Health and Stranding program, permit requirements 301-427-8448, [REDACTED]

Sarah Wilkin, stranding program, permit requirements, response activities 301-427-8470, [REDACTED]

Linda Rhodes, microbiology and detecting microbes in biological samples (breath, biopsy, etc) 206-860-3279, [REDACTED]

Order of Notification

1. Regional and National Fisheries and NOAA Leadership
2. Congressional/Tribal
3. Stakeholders/Partners
4. Public/Media

NOAA Clearance and Notification Process (Social Media posts, talking points, webstories, etc)

Note: WCR has been designated the lead entity. All communications are to be treated like a mini-rollout with WCR Clearance and short suspense HQ, Congressional, & tribal notification.

- Controversial/Breaking News
 - WCR Clearance (SME (Wilkinson), Branch Chief (Barre), ARA (Yates), Ise, Hill/Rumsey)
 - In rapid succession:
 - HQ/Hill notification Ise sends to Sam G (cc: Emma and Kate)
 - Tribal notification: Wilson sends to tribes (cc: Heather Sagar and Linda Belton?)
- Non-controversial/Previously Cleared information
 - WCR Clearance
- Note: all finalized and approved communications will be stored in the J50 Google Drive (i.e. talking points, daily updates, press releases, etc)

Planned Products Under Development

- Dedicated WCR website for updates & documents (Ise, Peters --complete)
- Email for ideas and suggestions from the public (Killerwhale.help@noaa.gov)
- Photo and Video Footage (Freelancer John Gussman) (Milstein)
- Regular social media posts (Milstein/Milbury, Swartz, Ellis)
- Flickr and Broll for still and video footage (Milbury, Wright)
- Holding statement for J50 disappearance (Milstein, Milbury)
- Media Clips (Milbury)
- FAQs on Feeding and Treatment

Products and Tactics for Future Consideration

- Interactive Forum on San Juan Islands (TBD; possibly partners)
- Op-Eds or Leadership Statements (As Needed)

Key Messages and Talking Points (As of 8/4/18)

1. **Our scientists, with other experts, are on the water right now assessing the health of J50, the juvenile female Southern Resident killer whale known as Scarlet that has been seen in poor condition.**

- a. Sightings indicate that J50 is emaciated and is sometimes lethargic in the water, but still has periods of activity, including feeding. Analysis of a small sample of her breath did not definitively indicate an infection or illness, although it does not rule one out either.
 - b. The steps we are taking to understand and treat J50 require a scientifically sound approach. We must approach this carefully and deliberately so that if we decide to feed her, we avoid creating a dependence on supplied food
 - c. To inform development of additional emergency response and medical treatment plans, scientists will;
 - i. Continue with coordinated observations and documentation of behavior and condition (using vessel and Unmanned Aerial Systems, or UAS).
 - ii. Conduct a veterinary health assessment.
 - iii. Collect additional diagnostic samples (e.g., fecal, breath, exudate or skin patch) if possible over the next several days.
 - d. These efforts are being conducted by experts authorized under NOAA Fisheries Marine Mammal Health and Stranding Response Program permit and coordinated between U.S. and Canada.
- 2. Over the weekend (Aug 4-5), these experts – including the top veterinarians and whale biologists from both the U.S. and Canada – will be evaluating short-term response options to help this whale that has grown weaker over time. These options range from doing nothing to getting food and medicine to the emaciated whale.**
- a. Operations to assist J50 could begin as soon as this Monday (Aug 6).
 - b. We ask boaters and aircraft to avoid the area where researchers are operating and follow all regulations and air traffic restrictions.
 - c. A plan to assess the possibility of emergency medical treatment is in development for evaluation by NOAA Fisheries under our Marine Mammal Health and Stranding Response Program permit.
 - d. Details of the plan are pending and risks to J50 and other Southern Residents will be evaluated and minimized to the extent possible prior to authorization.
- 3. We share the public's concern over the condition of the Southern Residents, and in particular, J50. While difficult, this is also opportunity for researchers to more closely study and understand the root cause of J50's condition in hope of preventing or treating other whales in the future.**

- a. NOAA Fisheries and partners are also monitoring the situation with J35, also known as Tahlequah, who has been carrying her dead calf for over a week
 - b. We all feel the loss of another calf, and our scientists continue to monitor her and encourage efforts to reduce vessel disturbance around her.
 - c. An emergency response for J35 has not yet been evaluated or initiated.
4. **We're also continuing our longer-term efforts to address the three main threats to these whales: having enough salmon to eat, vessel traffic and underwater noise, and marine pollution.**
 - a. Refer to the Species in the Spotlight 5-year action plan.
5. **Working with partners in other federal agencies, academia, and the private sector, we've developed advanced unobtrusive scientific methods to learn about the lives of these killer whales, monitor their status, and understand threats to their population.**
 - a. The techniques include: photogrammetry, tagging, genetic analysis of scat, and breath sampling for microbes.
6. **We have more information about efforts to recover the Southern Residents on our website. Also, we will provide progress updates on our Facebook page. In the meantime, we ask for the public's cooperation in steering clear of the immediate area while research and emergency response activities are taking place.**

Key High-level Messages:

- Southern Resident killer whales are a highly endangered, specialized population of killer whales that now number 75, the lowest in decades. Female whales are especially valuable to the population given their reproductive potential.
- Safety is paramount. The first priority of all operations remains the safety of responders and the whales.
- We are drawing on the knowledge and expertise of the world's top experts to develop and implement the response plan, and will consistently reevaluate the benefits of intervention against the risk of disturbance to the J-pod as a whole.
- Biologists recognize that most killer whales that have deteriorated to the extent of J50 do not recover. Attempting intervention has rarely if ever been attempted before. Doing so is an experimental approach, with uncertain chances of success.
- While we are now focused on short-term support for J50, we continue to work with partners across the region to advance plans for the long-term recovery of

Southern Resident killer whales Everyone on the West Coast has a role in protecting the whales.

Background:

- J-50 history: Born in late December 2014. Mother, J16 Drone photogrammetry studies by Durban (NOAA/SWFSC), Fearnbach (SR3) and Barrett-Lennard (Vancouver Aquarium) have documented J-50's small size for her age since her first year of life, and notably poorer body condition in 2017 More recently, Center for Whale Research observed further declining body condition from boat observations starting in January 2018 culminating in the current conspicuous depression behind the blowhole "peanut head". Activity level and association with mom and pod has varied.
- Consultation call 7/26: Gaydos/SeaDoc Society held a call of researchers and vets to discuss history and current condition of J50 based on field observations and sampling. Activity level and association with mom and pod has continued to vary in recent observations No obvious skin condition Recent odor from breath smelled by Giles/UW. Fecal samples collected by Hanson/NWFSC and Giles/UW from whale groups with J50 and frozen, but have not been analyzed or identified as J50 samples. Video and breath sample collected by Hanson/NWFSC 7/21, no breath odor detected, analysis pending Vessel activity near J50 reduced by proactive efforts by Pacific Whale Watch Association, Soundwatch, Enforcement and coordinated in US and Canadian waters Next steps- continued photo, video and behavior monitoring, UAS photogrammetry field visit planned starting 8/1 Vets will develop sampling protocol for cytology/culture samples from breath and feces
- Consultation calls 8/2: NOAA hosted a call to review updates Photos from UAS (Durban/SWFSC, Fearnbach/SR3) collected on 8/1 show J50 in very poor condition (similar to the measured condition of her cousin J52 before he disappeared in 2017) and show white patch behind the blowhole and it is unknown if on skin or exudate from blowhole UAS observations of J50 close with J16, J50 near J26 chasing fish at surface, and J50 defecation. Lagging behavior may be increasing, and in general whale displays an unusual labored ("ploughing") action when surfacing, but periods of activity also observed by UAS and from boat observations (US and Canada) Additional information to be collected- UAS will continue including photogrammetry measurements of condition, photo documentation of skin condition and respiration rates. Breath sample and confirmed collection a fecal sample from J50 for PCR analysis if

possible. A veterinary health assessment was identified as a priority and NOAA has provided authorization for several vets

Dozie, Juachi

From: Davis, Neil
Sent: August-07-18 11 32 AM
To: Harber, Lee (Lee Harber@dfo-mpo.gc.ca)
Subject: FW: Daily Debrief for Sunday, August 5th

fyi

From: Cottrell, Paul
Sent: Monday, August 6, 2018 6:43 AM
To: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: FW: Daily Debrief for Sunday, August 5th

Hi Andy,
 Here is NOAA's summary of the call last night. There is lots of fog in the Strait of Juan de Fuca where J, k and L pods are believed to be right now so there will likely be no interactions today. There is a NOAA call today at 9:30 where there will likely be further updates on NOAA activities. I'll keep you posted.
 Cheers,
 Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Kristin Wilkinson - NOAA Federal [REDACTED]
Sent: Sunday, August 05, 2018 10:14 PM
To: Katy Foster; Brad Hanson (NOAA Federal); Holly Fearnbach; [REDACTED] John Durban - NOAA Federal; Marty Haulena; Deborah Giles; jeff foster; Joseph Karl Gaydos; [REDACTED] Jim McBain
Cc: Lynne Barre - NOAA Federal; Teri Rowles; Deborah Fauquier; Barry Thom - NOAA Federal; Mike Ford; Ruth Howell; Mark Strom - NOAA Federal; Kevin Werner - NOAA Federal; Director Marine Mammal; Sarah Mesnick; Scott Rumsey - NOAA Federal; Cottrell, Paul; Forbes Darby - NOAA Federal; Chris Yates - NOAA Federal; Thornton, Sheila; Michael Milstein - NOAA Federal; Jim Milbury - NOAA Federal; Becker, Penny A (DFW); John Ewald - NOAA Federal; Jennie Lyons; Kate Naughten; Katherine Brogan - NOAA Affiliate; Samantha Guidon - NOAA Federal; Emma Htun - NOAA Federal; Jennifer Ise - NOAA Federal; Amilee Wilson - NOAA Federal
Subject: Daily Debrief for Sunday, August 5th

Hi Everyone -

Thank you to those of you who were able to join us tonight for the Sunday debrief call. I apologize that I had to ask some of you to sign off since we were at capacity and some of the field response team was unable to sign in.

DFO reported seeing L's and K's west of Port Renfrew but J pod was not sighted today. Heavy fog has been present which has limited sightings of the whales

We do have some updates on prioritization of field response activities;

1. Sample Collection - breath and fecal
2. Health Assessment & Injection of a long lasting antibiotic via pole syringe if possible, if not, remote delivery via Dan Inject Dr. Marty Haulena and Dr. Jim McBain are on standby for Monday and Dr Hendrik Nollens on Tuesday. The antibiotic treatment would not be available until Tuesday.
3. Providing temporary nutritional support therapy to J50 in coordination with The Whale Sanctuary Project, the Lummi Tribe and NWFSC. The Lummi Tribe will be doing a dry run on Monday and will be ready to transport live fish on Tuesday. They would have ~ 12 fish per day. John Gussman will provide UAS services to document the process and whale behavior Discussions will continue on oral medication treatment.

Communications provided an update from their team about the website, public input, social media (1 post per day), partner engagement, and the daily press call at 10am

I'll be hosting our consultation team call tomorrow morning from 9:30-11 and will likely head up to the San Juans on Monday night or early Tuesday morning to meet with the team in person.

All for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell

On Sat, Aug 4, 2018 at 10:13 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:

Good Evening Everyone -

Thank you to those of you who were able to join us tonight for the Saturday debrief call.

While J50 was not sighted today we can confirm that J pod is headed inland and was last sighted eastbound near Jordan River and Sooke around 7pm. They will likely come into the San Juan area tonight so we are very hopeful we will accomplish on Sunday the below goals;

- 1 Fecal sample collection from J50 - Deborah Giles, University of Washington
- 2 Breath sample collection from J50 - Hanson, NWFSC
- 3 Sample collection of skin if needed, areas of discoloration have been noted - Giles or Hanson

- 4 Veterinary medical assessment on J50 - Haulena, Vancouver Aquarium (Dr Haulena will be on Brad Hanson's vessel)
- 5 Additional imagery and video of J50 by UAS - Durban and Fernbach, SWFSC and SR3 Images of the flukes and overall skin appearance is of interest to the veterinarians as well as respiration rate
- 6 After the veterinary health assessment is complete a veterinarian call will be hosted by NOAA Fisheries - timing to be determined This will be a small group of veterinarians to discuss the best treatment for J50's condition

The NOAA Communications and External Affairs team provided a very valuable overview of their plans to communicate with the public and with the media I'll let Ruth and Forbes outline their plan in a separate email Any media inquires can be directed to the Communications Team, [REDACTED] or via cell at [REDACTED] Michael did reach out to the news directors in the Seattle area requesting they be mindful of the on-water activities so we can make the most of our time with J50 and the other SRKW's

Many of you have asked for permission to view the Google Drive, here is a direct link and I will also follow up with an invite We have all agreed that images will not be shared outside of the group <https://drive.google.com/drive/folders/1Gg5Whty6QvPFPYJEUps2PtvTXgRDT5eq?usp=sharing>

We will plan to talk again tomorrow night, Sunday, August 5th at 9pm Please call into 503-326-7672

A huge thank you to everyone involved!

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell

McPherson, Arran

From: McPherson, Arran
Sent: Tuesday, August 7, 2018 9:49 AM
To: Lowe, Carmel, Laverdure, Louise, Landry, Jean, Nadeau, Simon
Subject: RE J50

Thanks.

From: Lowe, Carmel
Sent: Sunday, August 5, 2018 1:00 PM
To: McPherson, Arran <Arran.McPherson@dfo-mpo.gc.ca>; Laverdure, Louise <Louise.Laverdure@dfo-mpo.gc.ca>; Landry, Jean <Jean.Landry@dfo-mpo.gc.ca>
Subject: Fw: J50

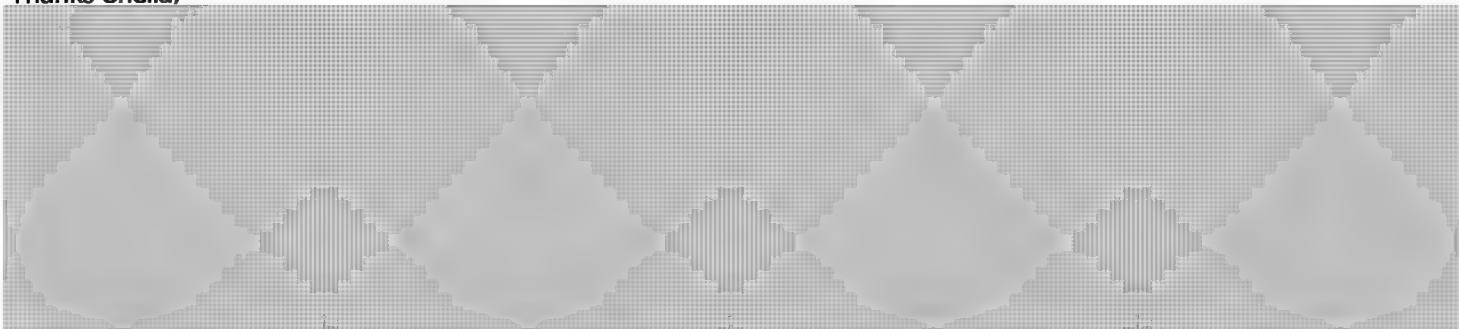
A heads up on this emerging issue.... [REDACTED] There is a call scheduled to discuss on Tuesday that I will participate in...

Carmel

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Sunday, August 5, 2018 09:13
To: Thornton, Sheila; Lowe, Carmel; MacConnachie, Sean; Kennedy, Eddy
Cc: Davis, Neil; Thomson, Andrew
Subject: RE: J50

Thanks Sheila,



Best,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

s.21(1)(a)

s.21(1)(b)

V6C 3S4

(604) 666-9965

From: Thornton, Sheila
Sent: Sunday, August 05, 2018 7:18 AM
To: Lowe, Carmel; MacConnachie, Sean; Kennedy, Eddy
Cc: Cottrell, Paul
Subject: J50

Over the last few days, NOAA has organized a consultation team to discuss the condition of J50 and a potential intervention (on the Canadian side, myself, Paul Cottrell, Stephen Raverty, and the OceanWise vet Marty Haulena are all invited participants).

They are on the water today to accomplish the following goals:

1. Fecal sample collection from J50 - Deborah Giles, University of Washington
2. Breath sample collection from J50 - Hanson, NWFS
3. Sample collection of skin if needed, areas of discoloration have been noted - Giles or Hanson
4. Veterinary medical assessment on J50 - Haulena, Vancouver Aquarium (Dr Haulena will be on Brad Hanson's vessel)
5. Additional imagery and video of J50 by UAS - Durban and Fernbach, SWFSC and SR3 Images of the flukes and overall skin appearance is of interest to the veterinarians as well as respiration rate
6. After the veterinary health assessment is complete a veterinarian call will be hosted by NOAA Fisheries - timing to be determined This will be a small group of veterinarians to discuss the best treatment for J50's condition

A number of treatment options have been discussed and range from supplemental feeding in the wild via a PVC sluice (Lummi Nation are currently catching and containing large Chinook); oral medication inside a fish, or injection with a dart; penning her, hydrating and medicating, etc. They have a full media network and have contacted all 10 stations in Seattle to coordinate news releases.

Paul is arranging a call with NOAA/DFO to discuss permits required to undertake actions in Canadian waters for Tuesday at 11 am.

On the daily debrief call last night at 9 pm, I reiterated that at this point in time, feeding marine mammals in Canadian waters is a violation under the MMRs, and that the current permit status for NOAA allows for 20m approach for fecal and photos only (Brad Hanson is on Thomas' license). We will be discussing what the options are for these actions to occur in Canadian waters during the call on Tuesday.

We have another debrief call at 9 pm tonight; I will update as the information comes in.

Sheila

Sheila J Thornton, Ph D
Research Scientist, Ecosystem Sciences Division (ESD), Science Branch
Fisheries and Oceans Canada / Government of Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel. 604-364-5917

Scientifique de recherches, Division des sciences de l'écosystème, Sciences
Pêches et Océans Canada / Gouvernement du Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel: 604-364-5917

Dozie, Juachi

From: Burns, Adam
Sent: August-07-18 6 14 PM
To: Davis, Neil, Harber, Lee, Thomson, Andrew, Jenkins, Randy
Subject: Fw J50

We should probably plan on daily updates - every two days at most.

Randy if you could work with region to pull it together I can send it forward.

Let's aim for another update by noon Eastern on Thursday.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Butcher, Ashley <Ashley.Butcher@dfo-mpo.gc.ca>
Sent: Tuesday, August 7, 2018 8:14 PM
To: Burns, Adam; Kaba, Kyle; Patrick, Lindsey
Cc: Kahn, Zoe; Malko, Carol; Jarjour, Jasmine; Lapointe, Sylvie; Reid, Rebecca
Subject: RE: J50

Thanks Adam, MINO has asked to receive regular updates on this as more information becomes available

Thanks,

Ashley Butcher
DMO
613-947-4561

From: Burns, Adam
Sent: Tuesday, August 7, 2018 4 07 PM
To: Butcher, Ashley <Ashley.Butcher@dfo-mpo.gc.ca>, Kaba, Kyle <Kyle.Kaba@dfo-mpo.gc.ca>, Patrick, Lindsey <Lindsey.Patrick@dfo-mpo.gc.ca>
Cc: Kahn, Zoe <Zoe.Kahn@dfo-mpo.gc.ca>; Malko, Carol <Carol.Malko@dfo-mpo.gc.ca>, Jarjour, Jasmine <Jasmine.Jarjour@dfo-mpo.gc.ca>, Lapointe, Sylvie <Sylvie.Lapointe@dfo-mpo.gc.ca>, Reid, Rebecca <Rebecca.Reid@dfo-mpo.gc.ca>
Subject: RE J50

J50 is a juvenile female member of the Southern Resident Killer Whale population with a poor body condition, thought to be starving and possibly suffering from infection. Her body condition is comparable with past situations where individuals have died.

Due to public spotlight on this situation in the media, NOAA drafted several proposals for potential emergency intervention that were shared with DFO late last week to address the body condition of J50, which include a number of treatment options to address J50's condition: supplemental feeding in the wild via a sluice off the back of a boat (Lummi Nation in Washington are currently catching large Chinook for this purpose), oral medication inside fish for feeding to J50, injection of medication with a dart; and penning J50 to enable hydration, feeding, and medication, etc

NOAA is consulting with several Canadian officials to discuss the condition of J50 and the potential for intervention (on the Canadian side. Sheila Thornton (DFO Science), Paul Cottrell (DFO Marine Mammal Unit), veterinarian Stephen Raverty (Province of BC), and veterinarian Marty Haulena (Oceanwise). DFO Pacific region is also in the process of considering licencing that would allow for the US to approach and potentially feed and/or medicate J50 in Canadian waters.

NOAA held a media briefing at 10:00 am Pacific today. Paul Cottrell participated on DFOs/Canada's behalf and provided a brief update on DFO's Marine Mammal research crews who have been working the past few days on the West Coast of Vancouver Island searching for the animal.

Given the limited number of females in such a small population (75 individuals), it would be a significant blow to the population to lose this individual

From: Butcher, Ashley
Sent: August 7, 2018 1:36 PM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>, Kaba, Kyle <Kyle.Kaba@dfo-mpo.gc.ca>, Patrick, Lindsey <Lindsey.Patrick@dfo-mpo.gc.ca>
Cc: Kahn, Zoe <Zoe.Kahn@dfo-mpo.gc.ca>, Malko, Carol <Carol.Malko@dfo-mpo.gc.ca>; Jarjour, Jasmine <Jasmine.Jarjour@dfo-mpo.gc.ca>
Subject: Fw: J50

From: Knudsen, Mark <Mark.Knudsen@dfo-mpo.gc.ca>
Sent: Tuesday, August 7, 2018 1:33 PM
To: Butcher, Ashley; Kaba, Kyle
Subject: J50

Do we have any details on this one?

<https://www.ctvnews.ca/sci-tech/scientists-race-to-find-and-treat-ailing-killer-whale-off-vancouver-island-1.4043335>

Mark Knudsen
Policy Advisor - Pacific | Conseiller en politiques - Pacifique

200 Kent Street | Floor 15 | Ottawa, Ontario | K1A 0E6

T 613-992-3474

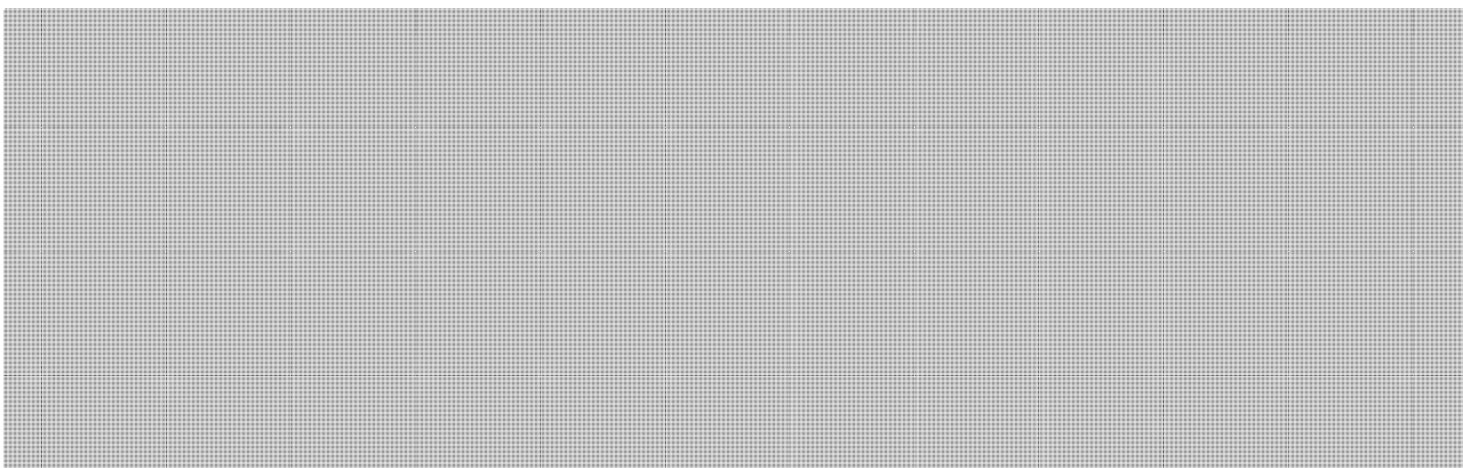
F: 613-947-7081

E: Mark.Knudsen@dfo-mpo.gc.ca

Dozie, Juachi

From: Kennedy, Eddy
Sent: August-07-18 5 15 PM
To: Harber, Lee, Davis, Neil, Lowe, Carmel, Cottrell, Paul, MacDougall, Lesley, Thornton, Sheila
Subject: RE J50 and Tab 10
Attachments: Tab 10_SRKW-J50 SJT docx

Hi Lee,
Sorry for my delay in responding with comments. Attached are some comments from Sheila Also, some additional comments are:




From: Harber, Lee
Sent: August-07-18 1:40 PM
To: Kennedy, Eddy; Davis, Neil; Lowe, Carmel; Cottrell, Paul; MacDougall, Lesley
Subject: RE: J50 and Tab 10

Hi everyone,

Please find attached an updated draft for your collective reviews I will then send into approvals

thanks
lee

Lee Harber
Marine Mammal Advisor
Fisheries and Oceans Canada
401 Burrard St Vancouver, B C
(604) 666-1164 or BB. 

From: Kennedy, Eddy
Sent: 2018–August-07 11:38 AM
To: Harber, Lee; Cottrell, Paul
Cc: Lowe, Carmel; MacDougall, Lesley
Subject: RE: J50 and Tab 10

That's what I am using

From: Harber, Lee
Sent: August-07-18 11:37 AM
To: Kennedy, Eddy; Cottrell, Paul
Cc: Lowe, Carmel; MacDougall, Lesley
Subject: RE: J50 and Tab 10

Hi Eddy, apparently Paul and Sheila have the latest – please see attached

Paul, would you be able to provide a few bullets for the Tab 10?

Thanks
lee

Lee Harber
Marine Mammal Advisor
Fisheries and Oceans Canada
401 Burrard St. Vancouver, B.C.
(604) 666-1164 or BB [REDACTED]

From: Kennedy, Eddy
Sent: 2018–August-07 11:26 AM
To: Harber, Lee
Cc: Lowe, Carmel; MacDougall, Lesley
Subject: RE: J50 and Tab 10

Working on it

From: Harber, Lee
Sent: August-07-18 11:25 AM
To: Kennedy, Eddy
Cc: Lowe, Carmel; MacDougall, Lesley
Subject: RE: J50 and Tab 10

Hi Eddy, for sure I can pull this together. Is science able to provide a few bullets for me to work into a response?

Lee Harber
Marine Mammal Advisor
Fisheries and Oceans Canada
401 Burrard St Vancouver, B.C
(604) 666-1164 or BB [REDACTED]

From: Kennedy, Eddy
Sent: 2018–August-07 11:20 AM
To: Harber, Lee
Cc: Lowe, Carmel; MacDougall, Lesley
Subject: FW: J50 and Tab 10

Hi Lee,
I am passing along Carmel's request that the Tab 10 submission should come from FM Are you able to prepare the submission today?
Let me know if you have questions

Eddy

Eddy Kennedy

Manager, Ecosystem Sciences Division | Gestionnaire, Division des sciences écosystème
Pacific Biological Station | Station de biologie du Pacifique
Fisheries and Oceans Canada | Pêches et Océans Canada
Tel/Tél: 250-756-3360
Cell: ()
E-Mail: eddy.kennedy@dfo-mpo.gc.ca

From: Lowe, Carmel
Sent: August-07-18 10:29 AM
To: Kennedy, Eddy
Cc: MacDougall, Lesley
Subject: Fw: J50 and Tab 10

Eddy - welcome back!

Carmel

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Nadeau, Simon <Simon.Nadeau@dfo-mpo.gc.ca>
Sent: Tuesday, August 7, 2018 10:20
To: Lowe, Carmel; Laverdure, Louise; Landry, Jean
Subject: J50 and Tab 10

Hi Carmel

Will the region be producing something for Tab 10 today on this?

Let us know.

Simon

From: Hodgins, Jill
Sent: August-07-18 11:28 AM
To: McCallum, Barry; Vézina, Alain; Bliss, Doug; de Lafontaine, Yves; Wang, Sen; Lowe, Carmel; Béchard, Geneviève; Laverdure, Louise; Moore, Wayne; Foster, Sophie; Kristmanson, James
Cc: Armstrong, Carolyn; Asselin, Andréanne; Tudorache, Cristina; Berube, Linda; Dickie, Catherine; Jobes, James; Keough, Brittany; LeBlanc, Denise; Nagy, Aimee J; Lauzon-Legault, Janie; Thompson, Susan; Curtis, Kathryn
Subject: FW: Tab 10 - Upcoming Issues and Decisions (Look Ahead Planning Binder)

Bonjour/Hello

Tab 10. Only include items that require Ministerial action, are of strategic interest, or that are likely to attract significant public attention within the next 2 weeks. Do not use the tab as a means of briefing the Minister. **Include key dates within the next two weeks under Next Steps for Ministerial consideration or action,** e.g. Ministerial decision, event, briefing memo to MINO, etc. Key dates will be added to the WAG as an "Upcoming Issues" row. **See updated guidelines in separate document.**

De : McPherson, Arran
Envoyé : 7 août 2018 09:50
À : Lowe, Carmel; Laverdure, Louise; Landry, Jean; Nadeau, Simon
Objet : RE: J50

Thanks

From: Lowe, Carmel
Sent: Sunday, August 5, 2018 1:00 PM
To: McPherson, Arran <Arran.McPherson@dfo-mpo.gc.ca>, Laverdure, Louise <Louise.Laverdure@dfo-mpo.gc.ca>; Landry, Jean <Jean.Landry@dfo-mpo.gc.ca>
Subject: Fw: J50

A heads up on this emerging issue. . . [REDACTED] There is a call scheduled to discuss on Tuesday that I will participate in..

Carmel

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Sunday, August 5, 2018 09:13
To: Thornton, Sheila; Lowe, Carmel; MacConnachie, Sean; Kennedy, Eddy
Cc: Davis, Neil; Thomson, Andrew
Subject: RE: J50

Thanks Sheila,

[REDACTED]

Best,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Thornton, Sheila
Sent: Sunday, August 05, 2018 7:18 AM
To: Lowe, Carmel; MacConnachie, Sean; Kennedy, Eddy
Cc: Cottrell, Paul
Subject: J50

Over the last few days, NOAA has organized a consultation team to discuss the condition of J50 and a potential intervention (on the Canadian side, myself, Paul Cottrell, Stephen Raverty, and the OceanWise vet Marty Haulena are all invited participants).

They are on the water today to accomplish the following goals:

- 1 Fecal sample collection from J50 - Deborah Giles, University of Washington
- 2 Breath sample collection from J50 - Hanson, NWFSC
- 3 Sample collection of skin if needed, areas of discoloration have been noted - Giles or Hanson
- 4 Veterinary medical assessment on J50 - Haulena, Vancouver Aquarium (Dr Haulena will be on Brad Hanson's vessel)
- 5 Additional imagery and video of J50 by UAS - Durban and Fernbach, SWFSC and SR3 Images of the flukes and overall skin appearance is of interest to the veterinarians as well as respiration rate
- 6 After the veterinary health assessment is complete a veterinarian call will be hosted by NOAA Fisheries - timing to be determined This will be a small group of veterinarians to discuss the best treatment for J50's condition

A number of treatment options have been discussed and range from supplemental feeding in the wild via a PVC sluice (Lummi Nation are currently catching and containing large Chinook); oral medication inside a fish, or injection with a dart; penning her, hydrating and medicating, etc. They have a full media network and have contacted all 10 stations in Seattle to coordinate news releases.

Paul is arranging a call with NOAA/DFO to discuss permits required to undertake actions in Canadian waters for Tuesday at 11 am.

On the daily debrief call last night at 9 pm, I reiterated that at this point in time, feeding marine mammals in Canadian waters is a violation under the MMRs, and that the current permit status for NOAA allows for 20m approach for fecal and photos only (Brad Hanson is on Thomas' license). We will be discussing what the options are for these actions to occur in Canadian waters during the call on Tuesday.

We have another debrief call at 9 pm tonight; I will update as the information comes in.

Sheila

Sheila J. Thornton, Ph.D
Research Scientist, Ecosystem Sciences Division (ESD), Science Branch

Fisheries and Oceans Canada / Government of Canada
Sheila Thornton@dfo-mpo.gc.ca / Tel 604-364-5917

Scientifique de recherches, Division des sciences de l'écosystème, Sciences
Pêches et Océans Canada / Gouvernement du Canada
Sheila Thornton@dfo-mpo.gc.ca / Tel 604-364-5917

TAB 10 - UPCOMING ISSUES AND DECISIONS

SECRET

#	ISSUE	DESCRIPTION	MINISTERIAL IMPACT	NEXT STEPS
Tab 7 Guidelines				
1	Short title of the item	<p>Explain what the issue is Include who, what, where, when and/or why as needed This should be as short and concise as possible.</p> <p>Do <u>not</u> provide a detailed briefing More detailed information should be provided through a Memorandum to Minister</p> <p>This should not be the first time the Minister is hearing about the issue These are issues where the Minister is required to make a decision on or will attract significant media attention in the next two weeks</p>	<p>How does this affect the Minister? Be as specific as possible</p> <p>If Ministerial or Government business is not directly affected or at risk, evaluate whether the information item still needs to go forward under Tab 7</p>	<p>1-2 lines on next steps for Ministerial consideration or action, e.g memorandum for signature (date expected), Ministerial briefing, etc</p> <p>Next steps should be from a Ministerial perspective What are upcoming actions, decisions, memos, briefings, etc for the Minister?</p> <p>Always include a statement on next steps; timeline should be within the next 2 weeks.</p>

TAB 10 - UPCOMING ISSUES AND DECISIONS

SECRET

#	ISSUE	DESCRIPTION	MINISTERIAL IMPACT	NEXT STEPS
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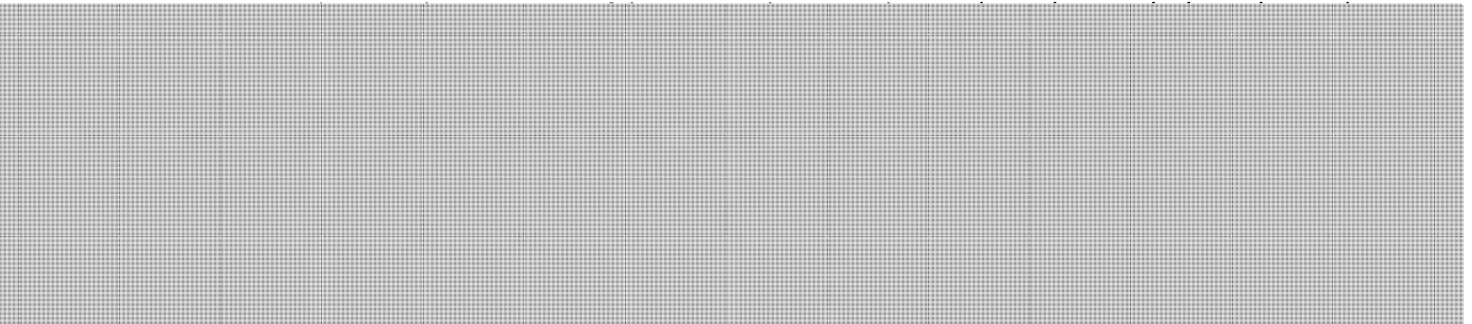
Dozie, Juachi

From: Davis, Neil
Sent: August-07-18 11 32 AM
To: Harber, Lee (Lee Harber@dfo-mpo.gc.ca)
Subject: FW: J50
Attachments: Proposal For Emergency Response To Provide Oral Medical And Supplemental Nutrition To J50.pdf

Fyi

From: Cottrell, Paul
Sent: Sunday, August 5, 2018 9:13 AM
To: Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>, MacConnachie, Sean <Sean.MacConnachie@dfo-mpo.gc.ca>, Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>
Cc: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: RE: J50

Thanks Sheila,



Best,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Thornton, Sheila
Sent: Sunday, August 05, 2018 7:18 AM
To: Lowe, Carmel; MacConnachie, Sean; Kennedy, Eddy
Cc: Cottrell, Paul
Subject: J50

Over the last few days, NOAA has organized a consultation team to discuss the condition of J50 and a potential intervention (on the Canadian side, myself, Paul Cottrell, Stephen Raverty, and the OceanWise vet Marty Haulena are all invited participants).

They are on the water today to accomplish the following goals:

- 1 Fecal sample collection from J50 - Deborah Giles, University of Washington
- 2 Breath sample collection from J50 - Hanson, NWFSC
- 3 Sample collection of skin if needed, areas of discoloration have been noted - Giles or Hanson
- 4 Veterinary medical assessment on J50 - Haulena, Vancouver Aquarium (Dr Haulena will be on Brad Hanson's vessel)
- 5 Additional imagery and video of J50 by UAS - Durban and Fernbach, SWFSC and SR3 Images of the flukes and overall skin appearance is of interest to the veterinarians as well as respiration rate
- 6 After the veterinary health assessment is complete a veterinarian call will be hosted by NOAA Fisheries - timing to be determined This will be a small group of veterinarians to discuss the best treatment for J50's condition

A number of treatment options have been discussed and range from supplemental feeding in the wild via a PVC sluice (Lummi Nation are currently catching and containing large Chinook); oral medication inside a fish, or injection with a dart; penning her, hydrating and medicating, etc. They have a full media network and have contacted all 10 stations in Seattle to coordinate news releases.

Paul is arranging a call with NOAA/DFO to discuss permits required to undertake actions in Canadian waters for Tuesday at 11 am.

On the daily debrief call last night at 9 pm, I reiterated that at this point in time, feeding marine mammals in Canadian waters is a violation under the MMRs, and that the current permit status for NOAA allows for 20m approach for fecal and photos only (Brad Hanson is on Thomas' license). We will be discussing what the options are for these actions to occur in Canadian waters during the call on Tuesday.

We have another debrief call at 9 pm tonight; I will update as the information comes in.

Sheila

Sheila J Thornton, Ph D
 Research Scientist, Ecosystem Sciences Division (ESD), Science Branch
 Fisheries and Oceans Canada / Government of Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel: 604-364-5917

Scientifique de recherches, Division des sciences de l'écosystème, Sciences
 Pêches et Océans Canada / Gouvernement du Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel: 604-364-5917

**Pages 67 to / à 83
are duplicates
sont des duplicatas**

Dozie, Juachi

From: Davis, Neil
Sent: August-07-18 12 57 PM
To: Harber, Lee, Burns, Adam
Cc: Thomson, Andrew, Reid, Rebecca
Subject: RE: J50

From: Harber, Lee
Sent: Tuesday, August 7, 2018 12:17 PM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>
Cc: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>, Reid, Rebecca <Rebecca.Reid@dfo-mpo.gc.ca>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: RE: J50

Looks good from my end – I have checked in with Science
Pls see red text below

Lee Harber
Marine Mammal Advisor
Fisheries and Oceans Canada
401 Burrard St. Vancouver, B C
(604) 666-1164 or BB

From: Burns, Adam
Sent: 2018–August-07 11:51 AM
To: Thomson, Andrew; Reid, Rebecca; Harber, Lee; Davis, Neil
Subject: FW: J50

Hi,

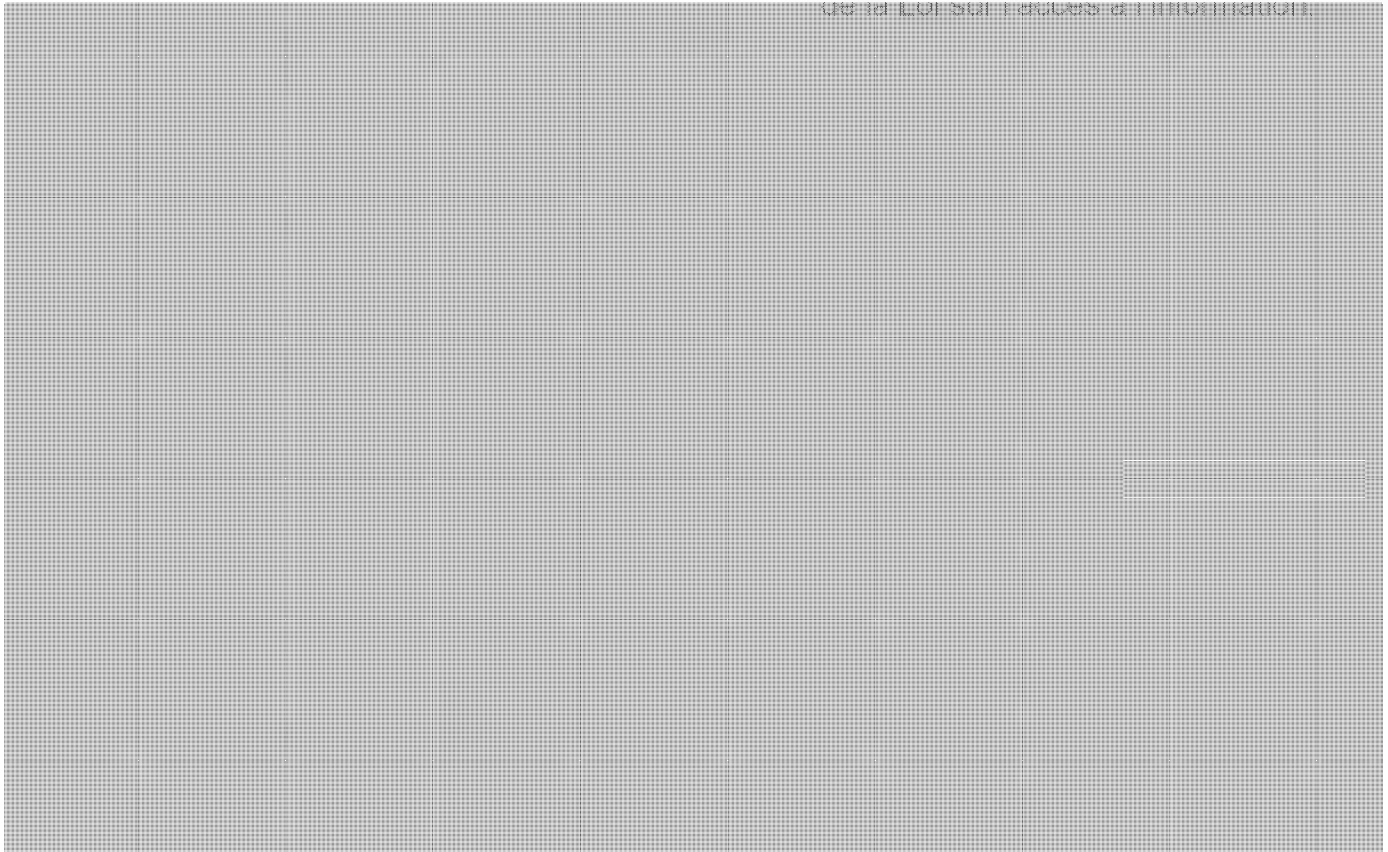
Does this work for you folks to respond to MINO (see below)?

AB

From: Moore, Kendra
Sent: August 7, 2018 2 35 PM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>; Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Cc: Pellerin, Patricia <Patricia.Pellerin@dfo-mpo.gc.ca>
Subject: RE: J50

Hi Adam,

Below is a paragraph summarizing the situation



Kendra

From: Burns, Adam
Sent: August-07-18 2:10 PM
To: Jenkins, Randy; Moore, Kendra; Gilchrist, Brett
Cc: Pellerin, Patricia
Subject: Re: J50

Informal

Sent from my BlackBerry 10 smartphone on the Rogers network.

From:
Jenkins,
Randy
Sent:
Tuesday,
August
7, 2018
2:10 PM
To:
Burns,
Adam;
Moore,
Kendra;
Gilchrist,
Brett
Cc:

Pellerin,
Patricia
Subject:
RE: J50

Are they looking for informal response in email format or do more formal ISSUE/INFO note?

From: Burns, Adam
Sent: Tuesday, August 7, 2018 2:04 PM
To: Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>, Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>;
Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Cc: Pellerin, Patricia <Patricia.Pellerin@dfo-mpo.gc.ca>
Subject: Re: J50

Please pull together a response that can be sent to mino.

Sent from my BlackBerry 10 smartphone on the Rogers network

From:
Jenkins,
Randy
Sent:
Tuesday,
August
7, 2018
2:03 PM
To:
Burns,
Adam;
Moore,
Kendra;
Gilchrist,
Brett
Subject:
RE: J50

There was string of emails late last week or over the weekend will see if I can find

From: Burns, Adam
Sent: Tuesday, August 7, 2018 1:52 PM
To: Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>, Jenkins,
Randy <Randy.Jenkins@dfo-mpo.gc.ca>
Subject: FW: J50

From: Butcher, Ashley
Sent: August 7, 2018 1:36 PM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Kaba, Kyle <Kyle.Kaba@dfo-mpo.gc.ca>, Patrick, Lindsey
<Lindsey.Patrick@dfo-mpo.gc.ca>
Cc: Kahn, Zoe <Zoe.Kahn@dfo-mpo.gc.ca>, Malko, Carol <Carol.Malko@dfo-mpo.gc.ca>; Jarjour, Jasmine
<Jasmine.Jarjour@dfo-mpo.gc.ca>
Subject: Fw: J50

From: Knudsen,
Mark
<[Mark.Knudsen@dfo-
mpo.gc.ca](mailto:Mark.Knudsen@dfo-mpo.gc.ca)>
Sent: Tuesday,
August 7, 2018 1:33
PM
To: Butcher, Ashley;
Kaba, Kyle
Subject: J50

Do we have any details on this one?

<https://www.ctvnews.ca/sci-tech/scientists-race-to-find-and-treat-ailing-killer-whale-off-vancouver-island-1.4043335>

Mark Knudsen
Policy Advisor - Pacific | Conseiller en politiques - Pacifique

200 Kent Street | Floor 15 | Ottawa, Ontario | K1A 0E6

T. 613-992-3474

F 613-947-7081

E. Mark.Knudsen@dfo-mpo.gc.ca

Dozie, Juachi

From: Davis, Neil
Sent: August-07-18 12 38 PM
To: Burns, Adam, Harber, Lee
Cc: Thomson, Andrew, Reid, Rebecca
Subject: RE J50

Please hold, checking on this [REDACTED] Will have revised version shortly

From: Burns, Adam
Sent: Tuesday, August 7, 2018 12:37 PM
To: Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>
Cc: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>, Reid, Rebecca <Rebecca.Reid@dfo-mpo.gc.ca>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: RE: J50

[REDACTED]

From: Harber, Lee
Sent: August 7, 2018 3:17 PM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>
Cc: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Reid, Rebecca <Rebecca.Reid@dfo-mpo.gc.ca>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: RE: J50

Looks good from my end – I have checked in with Science. [REDACTED]
[REDACTED] Pls see red text below

Lee Harber
Marine Mammal Advisor
Fisheries and Oceans Canada
401 Burrard St Vancouver, B.C
(604) 666-1164 or BB. [REDACTED]

From: Burns, Adam
Sent: 2018–August-07 11:51 AM
To: Thomson, Andrew; Reid, Rebecca; Harber, Lee; Davis, Neil
Subject: FW: J50

Hi,

Does this work for you folks to respond to MINO (see below)?

AB

From: Moore, Kendra
Sent: August 7, 2018 2:35 PM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>, Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>, Gilchrist,

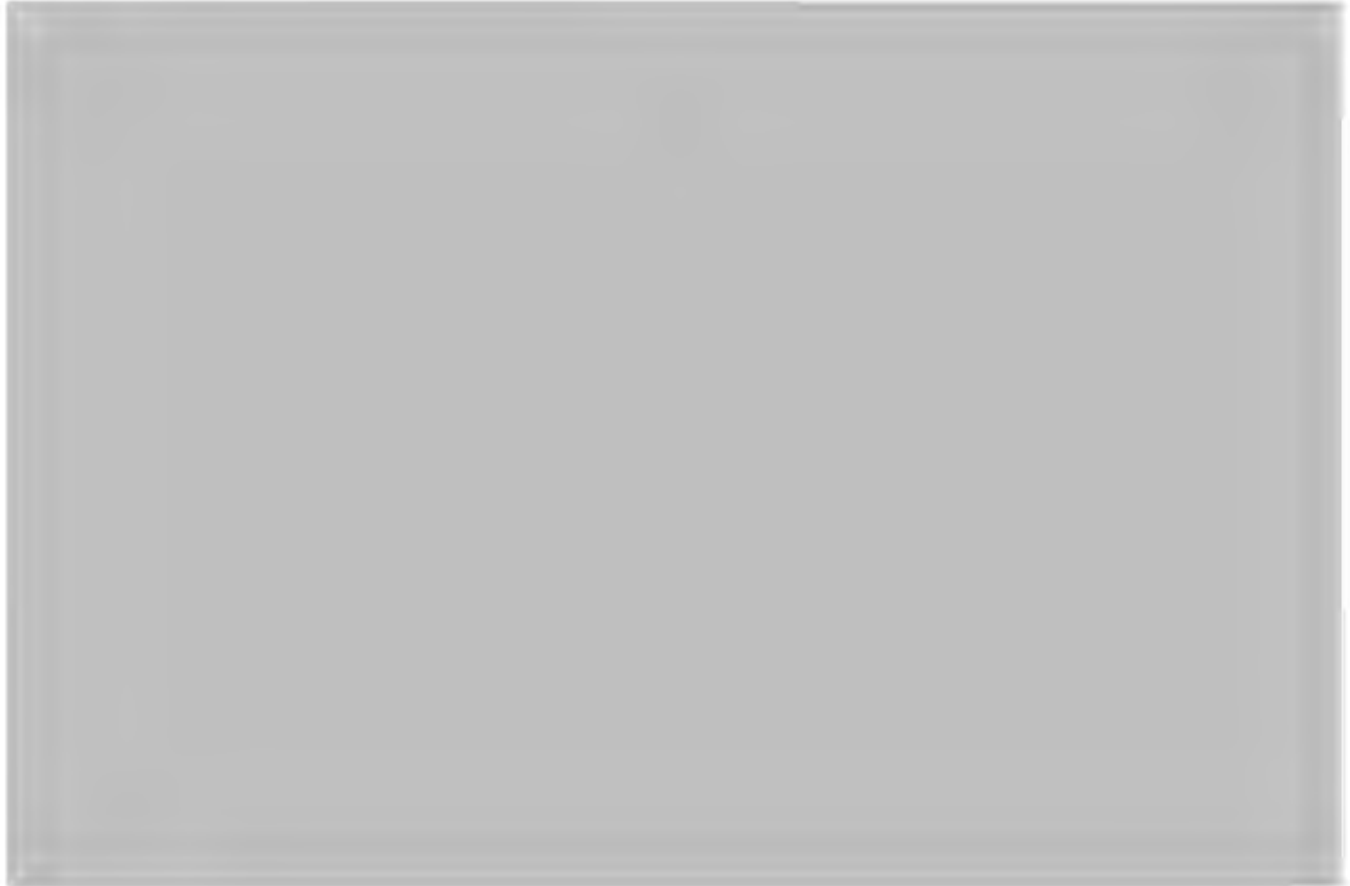
Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Cc: Pellerin, Patricia <Patricia.Pellerin@dfo-mpo.gc.ca>
Subject: RE: J50

s.21(1)(a)

s.21(1)(b)

Hi Adam,

Below is a paragraph summarizing the situation.



Kendra

From: Burns, Adam
Sent: August-07-18 2:10 PM
To: Jenkins, Randy; Moore, Kendra; Gilchrist, Brett
Cc: Pellerin, Patricia
Subject: Re: J50

Informal

Sent from my BlackBerry 10 smartphone on the Rogers network

From:
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Randy
Sent:
Tuesday,
August

7, 2018
2:10 PM

To:

Burns,
Adam;
Moore,
Kendra;
Gilchrist,
Brett

Cc:

Pellerin,
Patricia

Subject:

RE: J50

Are they looking for informal response in email format or do more formal ISSUE/INFO note?

From: Burns, Adam

Sent: Tuesday, August 7, 2018 2:04 PM

To: Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>, Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>

Cc: Pellerin, Patricia <Patricia.Pellerin@dfo-mpo.gc.ca>

Subject: Re: J50

Please pull together a response that can be sent to mino.

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Randy

Sent:

Tuesday,
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7, 2018
2:03 PM

To:

Burns,
Adam;
Moore,
Kendra;
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Subject:

RE: J50

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From: Burns, Adam

Sent: Tuesday, August 7, 2018 1:52 PM

To: Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>, Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>; Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>

Subject: FW: J50

From: Butcher, Ashley
Sent: August 7, 2018 1:36 PM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>, Kaba, Kyle <Kyle.Kaba@dfo-mpo.gc.ca>, Patrick, Lindsey <Lindsey.Patrick@dfo-mpo.gc.ca>
Cc: Kahn, Zoe <Zoe.Kahn@dfo-mpo.gc.ca>, Malko, Carol <Carol.Malko@dfo-mpo.gc.ca>; Jarjour, Jasmine <Jasmine.Jarjour@dfo-mpo.gc.ca>
Subject: Fw. J50

From: Knudsen, Mark
<Mark.Knudsen@dfo-mpo.gc.ca>
Sent: Tuesday, August 7, 2018 1:33 PM
To: Butcher, Ashley; Kaba, Kyle
Subject: J50

Do we have any details on this one?

<https://www.ctvnews.ca/sci-tech/scientists-race-to-find-and-treat-ailing-killer-whale-off-vancouver-island-1.4043335>

Mark Knudsen
Policy Advisor - Pacific | Conseiller en politiques - Pacifique

200 Kent Street | Floor 15 | Ottawa, Ontario | K1A 0E6

T. 613-992-3474

F. 613-947-7081

E. Mark.Knudsen@dfo-mpo.gc.ca

Girouard, Louise

From: Michael Milstein - NOAA Federal
Sent: Wednesday, August 8, 2018 4:16 PM
To: Anderson, Laura
Cc: Girouard, Louise; Malikian, Janine; Jim Milbury; Ruth Howell - NOAA Federal
Subject: Re: Have you released information on J50 being seen?

Thank you! Well done.

Do you know about what time the Jpod was sighted today?

On Wed, Aug 8, 2018 at 4:03 PM, Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca> wrote:

Hi Michael,

This tweet has been issued.



DFO Pacific @DFO_Pacific · 1m

Our marine mammal experts have sighted #killer whale J50 and her mother J16 in US waters. J35 is with this pod and is still carrying her calf. We are continuing to work with @NOAAFish_WCRO and other partners to monitor the situation. www.facebook.com/DFO.Pacific/photos/a.1015611111111111/1015611111111111/



Laura Anderson

A/Team-Lead, Digital Communications

Fisheries and Oceans Canada/Government of Canada

Laura.Anderson@dfo-mpo.gc.ca /Tel: 604-666-0392

Chef d'équipe intérimaire, Communications numériques

Pêches et Océans Canada/Gouvernement du Canada

Laura.Anderson@dfo-mpo.gc.ca / Tél. 604-666-0392

From: Anderson, Laura

Sent: Wednesday, August 8, 2018 3:45 PM

To: 'Michael Milstein - NOAA Federal' <[REDACTED]>

Cc: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>;
Jim Milbury <[REDACTED]> Ruth Howell - NOAA Federal <[REDACTED]>

Subject: RE: Have you released information on J50 being seen?

Hi Michael,

Standing by for our approvals from Ottawa – will let you know as soon as we issue the tweet.

Best,

Laura Anderson

A/Team-Lead, Digital Communications

Fisheries and Oceans Canada/Government of Canada

Laura.Anderson@dfo-mpo.gc.ca /Tel: 604-666-0392

Chef d'équipe intérimaire, Communications numériques

Pêches et Océans Canada/Gouvernement du Canada

Laura.Anderson@dfo-mpo.gc.ca / Tél. 604-666-0392

From: Michael Milstein - NOAA Federal <[REDACTED]>
Sent: Wednesday, August 8, 2018 3:27 PM
To: Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca>
Cc: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>, Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Jim Milbury <[REDACTED]> Ruth Howell - NOAA Federal
<[REDACTED]>

Subject: Re: Have you released information on J50 being seen?

Thanks for that news!

We would like you to go forward and tweet since it's DFO crews doing the hard work out on the water. Your tweet reads well. We will retweet and help with all the followup that is likely to come!

Thanks for sharing and your collaboration!

Michael

On Wed, Aug 8, 2018 at 3:13 PM, Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca> wrote:

Hi Michael,

We have received the following report from our scientists – have you also heard this news?

"FYI all – J50 and J16 have been sighted by our crew in US waters just north of Douglas Rock/West of Neah Bay. J35 has also just been sighted and is still carrying the carcass. Photos will be released late tonight or tomorrow."

We're thinking of tweeting out the following, linking once more to your webpage.

Our marine mammal experts have sighted #KillerWhale J50 and her mother J16 in US waters. J35 is with this pod and is still carrying her calf. We are continuing to work with @NOAAFish_WCRO and other partners to monitor the situation.

How would you like to handle the tweeting now that she's in US waters? Did you want to lead with this, retweet ours or should we do it in conjunction?

Please note, our scientists (and most likely yours) would prefer to not give the specifics of the location at this time, to avoid hampering the operation.

Best,

Laura Anderson

A/Team-Lead, Digital Communications

Fisheries and Oceans Canada/Government of Canada

Laura.Anderson@dfo-mpo.gc.ca /Tel. 604-666-0392

Chef d'équipe intérimaire, Communications numériques

Pêches et Océans Canada/Gouvernement du Canada

Laura.Anderson@dfo-mpo.gc.ca / Tél. 604-666-0392

From: Girouard, Louise

Sent: Tuesday, August 7, 2018 8.30 PM

To: Michael Milstein - NOAA Federal <[REDACTED]>

Cc: Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Jim Milbury <[REDACTED]>;

Ruth Howell - NOAA Federal <[REDACTED]>; Anderson, Laura

<Laura.Anderson@dfo-mpo.gc.ca>

Subject: Re: Have you released information on J50 being seen?

Will try to get an update for the call tomorrow.

L

From:

Michael
Milstein -
NOAA
Federal

Sent:

Tuesday,
August 7,
2018 8:22
PM

To:

Girouard,
Louise

Cc:

Malikian,
Janine; Jim
Milbury;
Ruth
Howell -
NOAA
Federal;
Anderson,
Laura

Subject:

Re: Have
you
released

information
on J50
being
seen?

Have you heard anything about J35? Many reporters are asking.

On Tue, Aug 7, 2018 at 7:53 PM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:



DFO Pacific @DFO_Pacific · 18m

We are happy to confirm that Southern Resident #KillerWhale J50 and her mother J16 were located today in #JuandeFuca Strait. Our experts are collaborating with @NOAAFish_WCRO and other partners to examine J50 to determine next steps. ow.ly/OnPo30ljop1



DFO Pacific @DFO_Pacific · 4h

Our scientists, veterinarians, biologists & marine mammal coordinator are collaborating with @NOAAFish_WCRO & other international research partners to locate & monitor Southern Resident #KillerWhale J50. We are ready to help in this collaborative mission. ow.ly/A1MB30ljfH



From: Michael Milstein - NOAA Federal <[REDACTED]>

Sent: Tuesday, August 7, 2018 7:51 PM

To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Cc: Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Jim Milbury
 <[REDACTED]> Ruth Howell - NOAA Federal <[REDACTED]>
 Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca>
Subject: Re: Have you released information on J50 being seen?

Well done and well-written! We will stand by to retweet and will include in our daily Facebook post.

Thank you!

On Tue, Aug 7, 2018 at 7:42 PM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:

Michael,

We will be issuing the following tweet shortly:

We are happy to confirm that Southern Resident #KillerWhale J50 and her mother J16 were located today in #JuandeFuca Strait Our experts are collaborating with @NOAAFish_WCRO and other partners to examine J50 to determine next steps ow.ly/OnPo30ljop1

From: Michael Milstein - NOAA Federal <[REDACTED]>
Sent: Tuesday, August 7, 2018 7:36 PM
To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>, Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Jim Milbury <[REDACTED]>
 Ruth Howell - NOAA Federal <[REDACTED]>
Subject: Have you released information on J50 being seen?

This story from The Canadian Press is reporting that DFO says she has been spotted.

--
Michael Milstein

Public Affairs Officer

NOAA Fisheries

*West Coast Region, Northwest Fisheries Science Center,
Southwest Fisheries Science Center*

Office: 503-231-6268

Cell [REDACTED]



NOAA FISHERIES

Find us online

www.nmfs.noaa.gov



--
Michael Milstein

Girouard, Louise

From: Girouard, Louise
Sent: Wednesday, August 8, 2018 1:29 PM
To: Forbes Darby - NOAA Federal
Subject: RE: J50 Partners Comms Coordination Call @ 3:30pm

Apologies for all the requests:

Could you please let us know – who from NOAA will be on the call as well?

Much appreciated,

L

From: Girouard, Louise
Sent: Wednesday, August 8, 2018 12:50 PM
To: 'Forbes Darby - NOAA Federal' [REDACTED]
Cc: Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>
Subject: RE: J50 Partners Comms Coordination Call @ 3:30pm

FYI – Janine and I will participate as well as our officials from our Science and Fisheries Management sector.

Hope that is appropriate,

L

From: Forbes Darby - NOAA Federal [REDACTED]
Sent: Wednesday, August 8, 2018 9:16 AM
To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>
Subject: J50 Partners Comms Coordination Call @ 3:30pm

Good morning,

Just a reminder, we will have a call today at **3:30 pm PDT** to discuss coordinating communications on the J50 emergency response.

This call is for partners directly involved in the response effort to discuss our individual communication efforts, ways to help each other, and stay coordinated

Here is dial-in information for the call.
503-326-7666 (no passcode)

Also, I want to share NOAA Fisheries' working communications plan. A working draft is also attached for those who are unable to access google docs. The plan outlines the steps we're taking to provide regular public updates and stay in sync with the on-the-water response team.

Please let me know if I should be reaching out to others who should be included in this conversation. And let me know if I can answer any questions in the meantime

Regards,
Forbes

--

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

2725 Montlake Blvd E

Seattle, WA 98112

Office 206-302-2474

Cell [REDACTED]

--

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

2725 Montlake Blvd E

Seattle, WA 98112

Office 206-302-2474

Cell [REDACTED]

Dozie, Juachi

From: Cottrell, Paul
Sent: August-08-18 8 16 AM
To: Davis, Neil, Thomson, Andrew
Subject: FW: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

The updated proposal for chinook feeding was sent this morning to us by NOAA. Below is my response to NOAA.

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul
Sent: Wednesday, August 08, 2018 8:13 AM
To: Kristin Wilkinson - NOAA Federal; Thornton, Sheila
Cc: Lynne Barre; Teri Rowles; Sarah Wilkin - NOAA Federal
Subject: RE: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Hi Kristin,

I don't see the pole and darting antibiotic methodology, antibiotic type and dosage described, is there a separate document/proposal outlining this activity. If so, please send so we can do up a licence. It would be great if you had a copy of your NOAA licence for this activity for reference, thanks so much!

The activities to collect health assessment information (eg fecal and breath samples) are licenced in Canada. The supplemental chinook feeding and use as a mechanism for medication treatment has not been licenced in Canada. There has not been a request to do this in Canadian waters. Is the whale sanctuary applying to do this in Canadian waters? We have not received a request. We will be reviewing this recent updated proposal/document on chinook feeding in anticipation of a request.

Thanks so much,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Kristin Wilkinson - NOAA Federal [REDACTED]
Sent: Wednesday, August 08, 2018 6:51 AM
To: Thornton, Sheila; Cottrell, Paul
Cc: Lynne Barre; Teri Rowles; Sarah Wilkin - NOAA Federal
Subject: Fwd: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Sheila and Paul,

We have received a revised proposal from The Whale Sanctuary Project. The updated version is attached here.

In summary, providing temporary nutritional support of J50 would be done first through a live fish release trial by one vessel and through a chute in the vicinity of J50, likely 50-100 yards in the front of her path. If she does take live fish then the next step will be taken to provide oral medications in the fish such as antibiotics and an anti fungal. This drug combination would address a range of bacterial infections J50 is susceptible to.

I apologize that I was not on the call yesterday. I am in the San Juans and spent the entire day with the core response team in discussions of this proposal and outlining future response goals.

Kristin

----- Forwarded message -----

From: **Katy Foster** [REDACTED]
Date: Tue, Aug 7, 2018 at 10:06 PM
Subject: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50
To: Lynne Barre - NOAA Federal [REDACTED], Teri Rowles <[REDACTED]>
[REDACTED] Kristin Wilkinson - NOAA Affiliate [REDACTED]
Cc: [REDACTED] eff foster
[REDACTED], Deborah Giles <[REDACTED]> Joseph Karl Gaydos
[REDACTED] Martin Haulena [REDACTED], Brad Hanson
[REDACTED] Candice Emmons - NOAA Federal <[REDACTED]> Sam Wasser

Hi Everyone -

Attached is a finalised Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50.

All the best,
Jeff & Katy Foster

s.19(1)

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

 Cell

Moore, Kendra

From: Moore, Kendra
Sent: Wednesday, August 8, 2018 4 09 PM
To: Cottrell, Paul; Harber, Lee; Davis, Neil; Thomson, Andrew; Burns, Adam; Jenkins, Randy; Scott, Paul G
Subject: RE NOAA Media Briefing Summary

Great, thanks for that clarification Paul I was looking to confirm the specific permitting information they hold for the health assessments that were conducted on J50

Thanks,

Kendra

From: Cottrell, Paul
Sent: August-08-18 4:07 PM
To: Moore, Kendra; Harber, Lee; Davis, Neil; Thomson, Andrew; Burns, Adam; Jenkins, Randy; Scott, Paul G
Subject: Re: NOAA Media Briefing Summary

Hi Kendra,

NOAA doesn't have a SARA or section 52 licence for research in Canada for the pole mount or darting of SRKW with antibiotic. This is a new method which has never been conducted before. An application will have to be submitted. NOAA has specific SARA and Section 52 licences for specific projects they conduct. Also Brad Hansen with NOAA was added onto a DFO licence for photo ID work. Let me know.

Cheers,

Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Moore, Kendra
Sent: Wednesday, August 8, 2018 12:44 PM
To: Harber, Lee; Davis, Neil; Thomson, Andrew; Burns, Adam; Jenkins, Randy; Scott, Paul G; Cottrell, Paul
Subject: RE: NOAA Media Briefing Summary

Hi Lee,

Thanks for the update. Can you confirm that the permit that NOAA currently holds is a section 52 under the Fisheries General Regulations and a section 73 under SARA?

Thanks,

Kendra

From: Harber, Lee
Sent: August-08-18 3:19 PM
To: Davis, Neil; Thomson, Andrew; Burns, Adam; Jenkins, Randy; Moore, Kendra; Scott, Paul G; Cottrell, Paul
Subject: NOAA Media Briefing Summary

Hi everyone,

Here is what I gathered from the 1 hour media briefing call at 10AM PST this morning. Paul – if you have any corrections please advise asap

=====

=====

The media briefing session was chaired by Jim Milbury (NOAA – Public Information Officer)

Reporters' questions were mostly around the process for permitting to allow the U S to administer antibiotics and medication J50 in Canadian waters and how quickly this can be accomplished. There were also other questions about treatment options being considered, direction the whales are heading, how DFO and NOAA are working together, and 1 question on J35 and her health.

Panel included.

Paul Cottrell (DFO – Marine Mammal Coordinator) and Lynn Barre (NOAA Fisheries Recovery Coordinator) & Sheila Thornton (DFO – Scientist)

Summary of key points from panelists:


- Despite very challenging conditions (i.e. fog, choppy water) DFO research vessel was able to spot J50 yesterday at 3.52PM with its mother, both exhibiting regular resting behaviour.
- NOAA, in collaboration with DFO, is using best available science, gathering new information i.e. photogrammetry, and input from marine mammal experts (including veterinarians) in order to develop treatment options.
- NOAA is in the process of preparing an application for permitting that will enable them to administer antibiotics and medication to J50 in Canadian waters.
 - A key piece of information will be the breath and faecal sampling from J50, for which there is already an approved permit for allowing this sampling by the US in Canadian waters. This sampling will be conducted at the next most appropriate opportunity by NOAA i.e. When J50 is spotted again and it will not cause any major disturbance to the family
- NOAA has submitted an internal analysis for approvals, which has been shared with DFO for information. DFO and NOAA are working together very closely
 - Once NOAA has completed its analysis, it will submit a permit to DFO for review and approval
 - DFO science will review and evaluate the application and assess any risks e.g. risks to other members of the whale family who could be disturbed by interventions
- To date, J50 has only been characterized as being in a state of malnutrition (i.e. J50 has not been diagnosed with any disease or infection). The antibiotic that is being proposed is a general prophylactic that could help with a broad spectrum of health issues

Next Steps:

- DFO and NOAA research vessels are on the water today and if they locate J50 and there is an appropriate opportunity, they will attempt to take a breath / faecal sample. This is a key sample that will inform treatment options and NOAA application.
- NOAA will continue to prepare the application for the permit to treat J50 in Canadian waters.

NOAA Website for J50 and J35:

http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/killer_whale/updates-j50-j35.html

Lee Harber
Marine Mammal Advisor
Fisheries and Oceans Canada
401 Burrard St Vancouver, B.C
(604) 666-1164 or BB (613) 

Dickie, Catherine

From: Northcott, Jennifer
Sent: August-08-18 2:05 PM
To: McPherson, Arran
Cc: Nadeau, Simon; Orok, Rowena; Szerze, Anita; Lowe, Carmel
Subject: Re: For Urgent ADM Approval: CTV media call -- J50

Thank you, Arran. This one was sent simultaneously due to deadline. My counterpart in the region will be connecting with Carmel. If there are any changes, I will let you know.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: McPherson, Arran
Sent: Wednesday, August 8, 2018 4:49 PM
To: Northcott, Jennifer
Cc: Nadeau, Simon; Orok, Rowena; Szerze, Anita; Lowe, Carmel
Subject: RE: For Urgent ADM Approval: CTV media call -- J50

Thanks Jennifer, I have not been involved in this issue so if the Region considers this line to be correct, I am fine with it.
Ccing carmel.

From: Northcott, Jennifer
Sent: Wednesday, August 8, 2018 4:44 PM
To: McPherson, Arran <Arran.McPherson@dfo-mpo.gc.ca>
Cc: Nadeau, Simon <Simon.Nadeau@dfo-mpo.gc.ca>; Orok, Rowena <Rowena.Orok@dfo-mpo.gc.ca>; Szerze, Anita <Anita.Szerze@dfo-mpo.gc.ca>
Subject: For Urgent ADM Approval: CTV media call -- J50
Importance: High

Hi Arran:

Please see media response for your urgent approval (first line). The media call came into MINO, and they require the response by 5:30PM. This is concurrently being approved by Philippe and Sylvie. Your approval by 5:10 PM would be appreciated. Thank you.

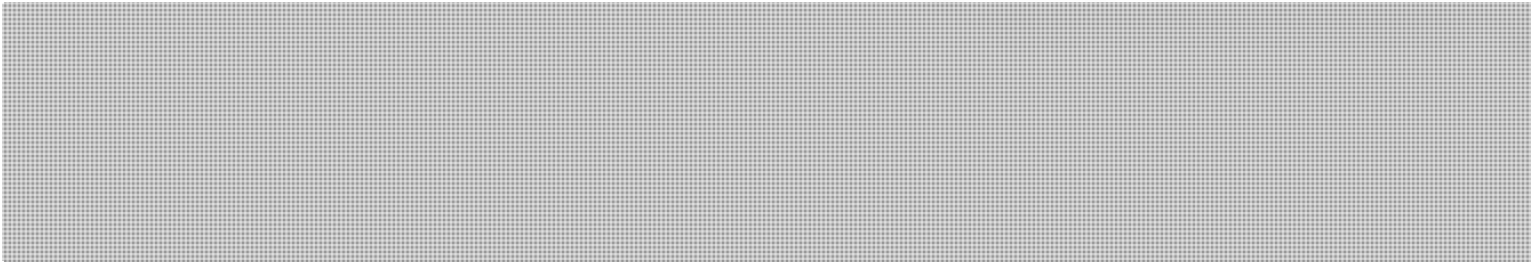
ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50. Paul Cottrell has repeated said that permits are not currently in place to give J50 antibiotics via syringe or to feed her live chinook. He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States.

My question is: why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

APPROVED BY:

PROPOSED RESPONSE:

[REDACTED]



s.21(1)(a)

s.21(1)(b)

Dickie, Catherine

From: Lowe, Carmel
Sent: August-08-18 2:37 PM
To: McPherson, Arran, Girouard, Louise
Cc: Nadeau, Simon
Subject: FW: CTV media call -- Media line for approval

The latest from Sheila....

Carmel

Carmel Lowe, Ph D.
Regional Director Science | Directrice régionale des sciences
Fisheries and Oceans Canada | Pêches et Océans Canada
Pacific Biological Station | Station biologique du Pacifique
3190 Hammond Bay Rd, Nanaimo, BC, Canada V9T 6N7

Carmel.Lowe@dfo-mpo.gc.ca
Telephone | Téléphone 250-756-7177
Facsimile | Télécopieur 250-729-8360
Government of Canada | Gouvernement du Canada

From: Thornton, Sheila
Sent: August 8, 2018 2:32 PM
To: Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>
Cc: MacConnachie, Sean <Sean.MacConnachie@dfo-mpo.gc.ca>; Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>;
Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>; Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

Hi Janine – no concerns.

FYI all – J50 and J16 have been sighted by our crew in US waters just north of Douglas Rock/West of Neah Bay. J35 has also just been sighted and is still carrying the carcass. Photos will be released late tonight or tomorrow.

I am heading out on the water in TCove – I will attempt to be on the media call for tomorrow. Janine – could you please ensure that I have the #?

Regards,

Sheila

Sheila J. Thornton, Ph.D
Research Scientist, Ecosystem Sciences Division (ESD), Science Branch
Fisheries and Oceans Canada / Government of Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel 604-364-5917

Scientifique de recherches, Division des sciences de l'écosystème, Sciences
Pêches et Océans Canada / Gouvernement du Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel: 604-364-5917

From: Malikian, Janine
Sent: August-08-18 1:39 PM
To: Thornton, Sheila
Subject: FW: CTV media call -- Media line for approval
Importance: High

s.19(1)
s.21(1)(a)
s.21(1)(b)

Oops, please use this version.

Any major concerns?

Thanks,

Janine

From: Jackson, Ashley
Sent: August-08-18 1:37 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: RE: CTV media call -- Media line for approval

Sorry all. Revised slightly.

ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50. Paul Cottrell has repeatedly said that permits are not currently in place to give J50 antibiotics via syringe or to feed her live chinook. He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States.

My question is: why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

DEADLINE: 3-3:30 pm PST.

APPROVED BY:

PROPOSED RESPONSE:

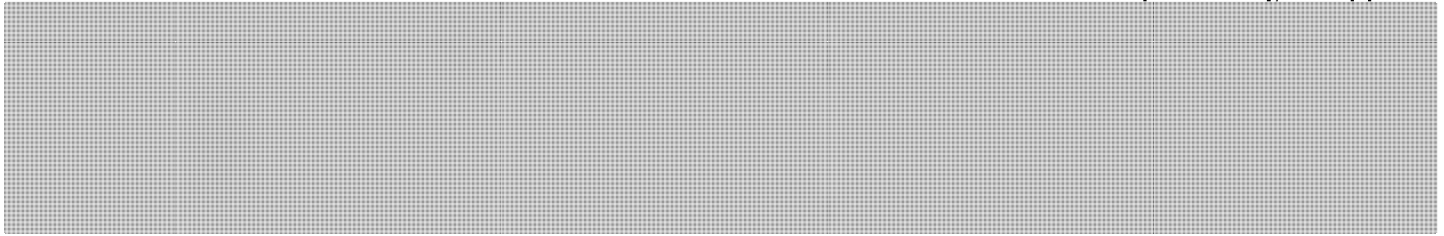
[REDACTED]

From: Jackson, Ashley
Sent: August-08-18 4:31 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: CTV media call -- Media line for approval

Hi there,

I just got a call from Vance -- they have a call in MINO about clarifying our position on permits. I would recommend the following line. Can all of you circulate for concurrent approvals ASAP so that Vance can get back to the reporter by their 5:30 deadline. Carole can you follow up with Vance with more details while we run approvals?

Proposed response:



Ashley Jackson

s.16(2)

Communications Manager, Fisheries and Harbour Management
Fisheries and Oceans Canada / Government of Canada
ashley.jackson@dfo-mpo.gc.ca / Cel. [REDACTED]

s.21(1)(a)

s.21(1)(b)

Gestionnaire des communications, Gestion des pêches et des ports
Pêches et Océans Canada / Gouvernement du Canada
ashley.jackson@dfp-mpo.gc.ca / Tél. Cell. : [REDACTED]

Dozie, Juachi

From: Burns, Adam
Sent: August-08-18 1 09 PM
To: Winfield, Nicholas, Davis, Neil, Thomson, Andrew, McElhone, Kathryn
Subject: Fw Comms¹

Fyi

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Lapointe, Sylvie <Sylvie.Lapointe@dfo-mpo.gc.ca>
Sent: Wednesday, August 8, 2018 4:06 PM
To: Blewett, Catherine
Cc: Stringer, Kevin; Kahn, Zoe; Butcher, Ashley; Patrick, Lindsey; Reid, Rebecca; Burns, Adam
Subject: RE: Comms¹

Hi – here is the latest

Media lines are now in approvals in NHQ. The NOAA press conference this morning focused mostly on process and was handled well by Paul Cottrell and by Dr. Sheila Thornton. We would recommend that the two continue from this point on as spoke persons given that the focus is now more on the scientific options for treatment. We understand that the licensing has more to do with SARA than the MMRs. As for correction for the misinterpretation of Paul's remarks yesterday by CP, we will scan the other news sources to see if it has continued. We believe the story has evolved and our focus should now be on stating the options on saving the whale and reaffirming our position on the issues and explaining that it is complex, not procedural.

Next steps: working to get some messaging approved for the next NOAA call tomorrow at 10 am PT

There has been a lot of media coverage recently around the health of J50, a juvenile SRKW. Late last week, NOAA announced potential plans for emergency interventions to address her health. Here's a quick update on what we're doing to stay on top of this:

- NOAA is holding daily press conferences updating on the status of J50 and their response actions, which DFO technical staff are attending. While we've established a dialogue with them at a working level to review their proposals, we're still working on identifying the appropriate contact at a more senior level to ensure we are working with them in a coordinated way.
- We're convening a small group from region and NHQ to talk daily about updates, review NOAA's proposals, and report up. MINO is seeking regular updates on this issue. There may be a briefing for MINO scheduled as early as tomorrow to outline NOAA's proposals and our assessment of them. NOAA is seeking a licence from DFO to be able to undertake some of the actions in Canadian waters, so we'll need to decide which proposed emergency measures we support or not and why. We'll need to convey this back to NOAA and have it reflected in our communications materials.

Hope this is helpful

Sylvie

From: Blewett, Catherine

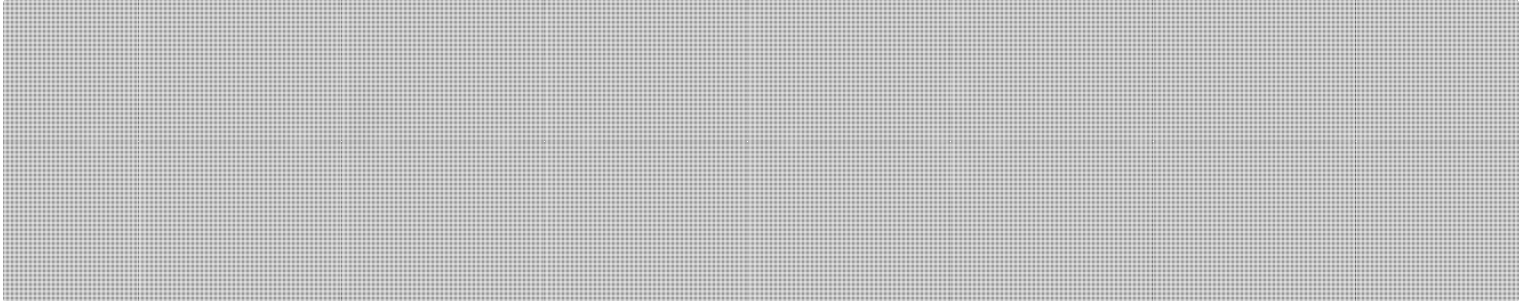
Sent: Wednesday, August 8, 2018 12.33 PM

To: Stringer, Kevin <Kevin.Stringer@dfo-mpo.gc.ca>, Lapointe, Sylvie <Sylvie.Lapointe@dfo-mpo.gc.ca>; Kahn, Zoe <Zoe.Kahn@dfo-mpo.gc.ca>

Subject: Comms!

Importance: High

Hi there



Thanks

C

Sent from my BlackBerry 10 smartphone on the Bell network.

Dozie, Juachi

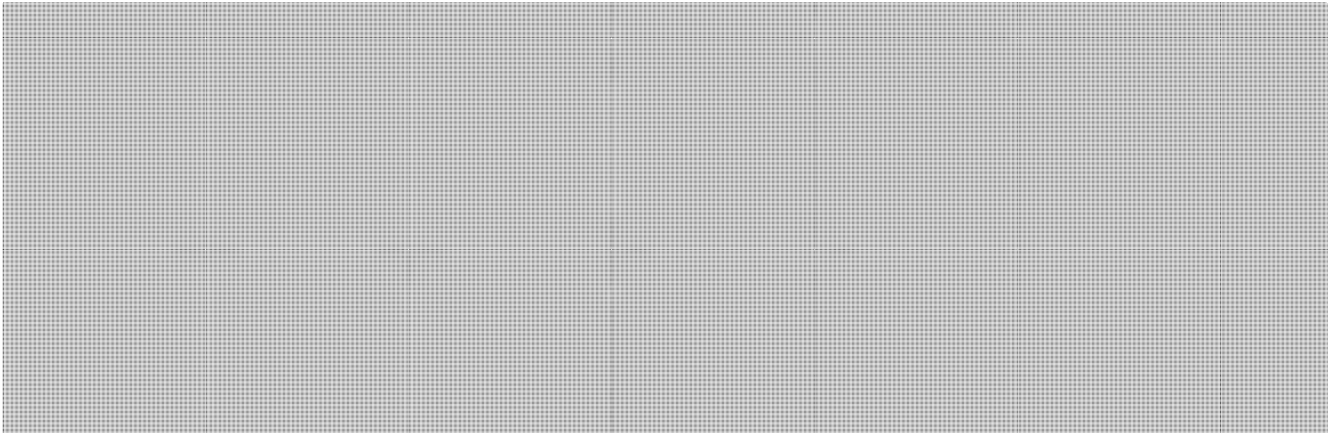
From: Davis, Neil
Sent: August-08-18 2 18 PM
To: Stewart, Julie
Subject: FW CTV media call -- Media line for approval

Woops, meant to include you on the cc

From: Davis, Neil
Sent: Wednesday, August 8, 2018 2:13 PM
To: Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>
Cc: Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>; Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

Janine,

Revised lines below. These were also sent out for review w/in Science and EMB at NHQ. Julie Stewart has forwarded me NHQ EMB edits. I've incorporated them and made some further revisions. Carmel's team may want to review these too.



From: Malikian, Janine
Sent: Wednesday, August 8, 2018 1:42 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: FW: CTV media call -- Media line for approval
Importance: High

Hi Neil,

Please see proposed response below re: J50 permits for a media request sent to MinO

Any major concerns? This is moving very quickly, so appreciate your response ASAP.

Thanks,

Janine

From: Jackson, Ashley
Sent: August-08-18 1:37 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: RE: CTV media call -- Media line for approval

Sorry all. Revised slightly.

ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50. Paul Cottrell has repeated said that permits are not currently in place to give J50 antibiotics via syringe or to feed her live chinook. He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States.

My question is: why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

DEADLINE: 3-3.30 pm PST.

APPROVED BY:

PROPOSED RESPONSE:

[REDACTED]

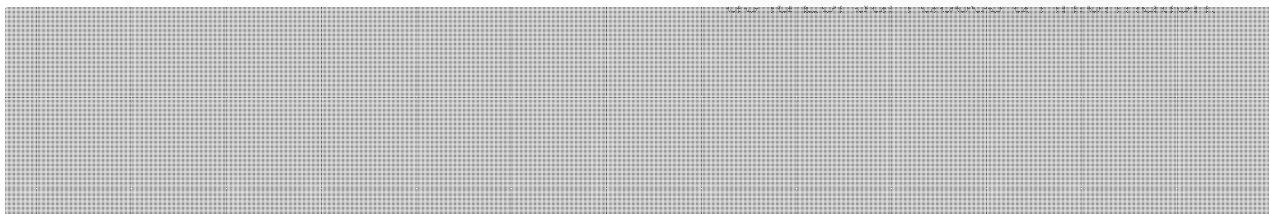
From: Jackson, Ashley
Sent: August-08-18 4:31 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: CTV media call -- Media line for approval

Hi there,


I just got a call from Vance -- they have a call in MINO about clarifying our position on permits. I would recommend the following line. Can all of you circulate for concurrent approvals ASAP so that Vance can get back to the reporter by their 5 30 deadline. Carole can you follow up with Vance with more details while we run approvals?


Proposed response.

[REDACTED]



Ashley Jackson

Communications Manager, Fisheries and Harbour Management
Fisheries and Oceans Canada / Government of Canada
ashley.jackson@dfo-mpo.gc.ca / 

Gestionnaire des communications, Gestion des pêches et des ports
Pêches et Océans Canada / Gouvernement du Canada
ashley.jackson@dfo-mpo.gc.ca / Tél. Cell. : 

Dozie, Juachi

From: Davis, Neil
Sent: August-08-18 2 13 PM
To: Stewart, Julie
Subject: RE CTV media call -- Media line for approval

Thanks for keeping me in the loop

From: Stewart, Julie
Sent: Wednesday, August 8, 2018 2 06 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: FW CTV media call -- Media line for approval

[REDACTED] this is what Comms NHQ is sending to Comms Pacific; reconciliation of various comments to happen by Comms Last bullet came from Nick Winfield

Julie Stewart
Director / Directrice
Species at Risk Program / Programme des Espèces en Péril
200 rue Kent St
Station 10W061
Ottawa, ON
K1A 0E6

(613) 949-7524 (t)

[REDACTED]
Julie.stewart@dfo-mpo.gc.ca

From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 5:04 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>, Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>, Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE CTV media call -- Media line for approval

Thank you, Julie had other minor edits as well. Propose to send this to Philippe next. Is also with PAC region.

PROPOSED RESPONSE:

[REDACTED]

s.19(1)
s.21(1)(a)
s.21(1)(b)

From: Winfield, Nicholas
Sent: Wednesday, August 8, 2018 4:55 PM
To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>, Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>, Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

Prefer

From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 4:50 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>, Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>, Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: FW: CTV media call -- Media line for approval

Sorry - response revised slightly – CTV is the media outlet
Seeking your approval asap please.

We will also still be moving a full set of media lines and Qs&As through approvals in time for tomorrow's media avail that Paul and Sheila will participate in -10am PAC time
K

From: Jackson, Ashley
Sent: Wednesday, August 8, 2018 4:37 PM
To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>, Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.McElhone@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

Sorry all. Revised slightly.

ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50. Paul Cottrell has repeatedly said that permits are not

s.16(2)
s.21(1)(a)
s.21(1)(b)

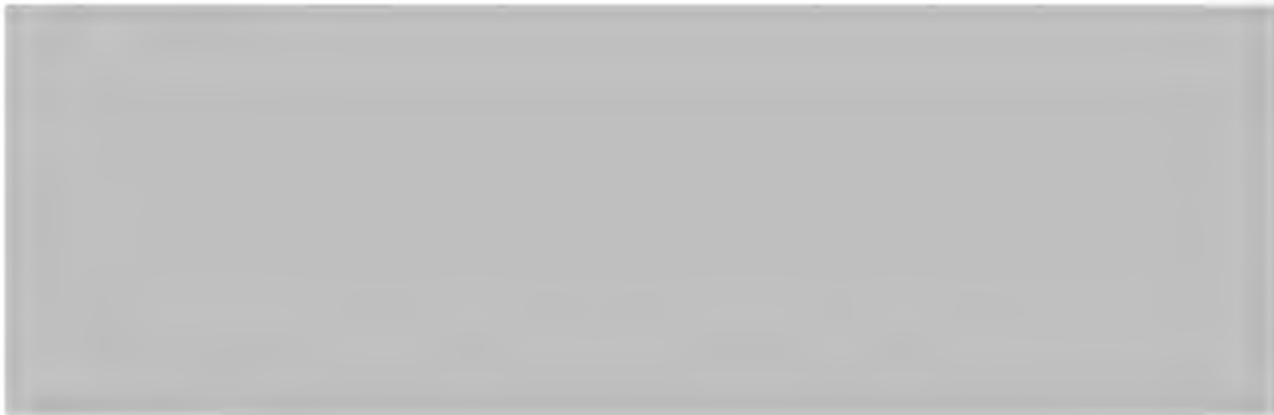
currently in place to give J50 antibiotics via syringe or to feed her live chinook. He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States.

My question is: why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

DEADLINE: 3-3:30 pm PST.

APPROVED BY:

PROPOSED RESPONSE:



From: Jackson, Ashley
Sent: August-08-18 4:31 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: CTV media call -- Media line for approval

Hi there,


I just got a call from Vance -- they have a call in MINO about clarifying our position on permits. I would recommend the following line Can all of you circulate for concurrent approvals ASAP so that Vance can get back to the reporter by their 5:30 deadline. Carole can you follow up with Vance with more details while we run approvals?

Proposed response.



Ashley Jackson

Communications Manager, Fisheries and Harbour Management
Fisheries and Oceans Canada / Government of Canada
ashley.jackson@dfo-mpo.gc.ca / Cel. [REDACTED]

Gestionnaire des communications, Gestion des pêches et des ports
Pêches et Océans Canada / Gouvernement du Canada
ashley.jackson@dfp-mpo.gc.ca / Tél Cell 

s.16(2)

Dozie, Juachi

From: Davis, Neil
Sent: August-08-18 4 29 PM
To: Malikian, Janine
Subject: RE CTV media call -- Media line for approval
Attachments: ML_SRKW_J50 Aug 8 18 v2 ND edits docx

Some further edits attached, assuming you will insert the updated lines below in the appropriate places, as your email suggests

From: Malikian, Janine
Sent: Wednesday, August 8, 2018 4:09 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval
Importance: High

Thanks for your edits on these bullets Neil

On a similar note, we received from NHQ Comms a revised version of the complete media lines that we sent them earlier (revised version attached). This version includes the original of the bullets below. I will replace those with the approved ones

Can you let me know of any other concerns by 4.30 if possible?

FYI, I'm going to send you a separate media request about the permitting aspect.

Thanks,

Janine

From: Davis, Neil
Sent: August-08-18 2:13 PM
To: Malikian, Janine
Cc: Lowe, Carmel; Lowe, Carmel; Girouard, Louise; Kennedy, Eddy; Thomson, Andrew
Subject: RE: CTV media call -- Media line for approval

Janine,

Revised lines below These were also sent out for review w/in Science and EMB at NHQ. Julie Stewart has forwarded me NHQ EMB edits. I've incorporated them and made some further revisions. Carmel's team may want to review these too.

-

-

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s.19(1)

s.21(1)(a)

s.21(1)(b)

From: Malikian, Janine
Sent: Wednesday, August 8, 2018 1:42 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: FW: CTV media call -- Media line for approval
Importance: High

Hi Neil,

Please see proposed response below re J50 permits for a media request sent to MinO.

Any major concerns? This is moving very quickly, so appreciate your response ASAP.

Thanks,
Janine

From: Jackson, Ashley
Sent: August-08-18 1:37 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: RE: CTV media call -- Media line for approval

Sorry all. Revised slightly.

ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50 Paul Cottrell has repeated said that permits are not currently in place to give J50 antibiotics via syringe or to feed her live chinook He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States

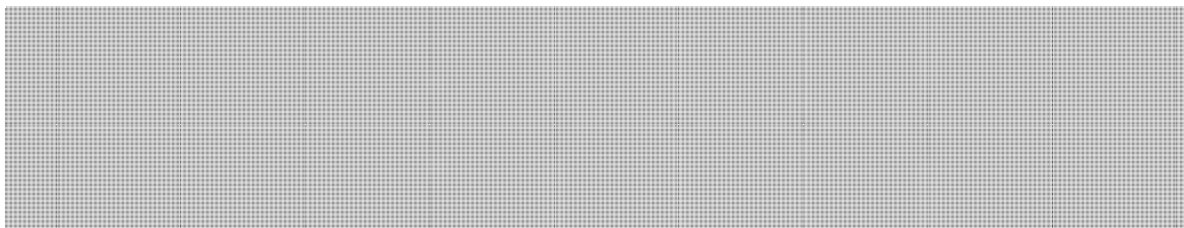
My question is. why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

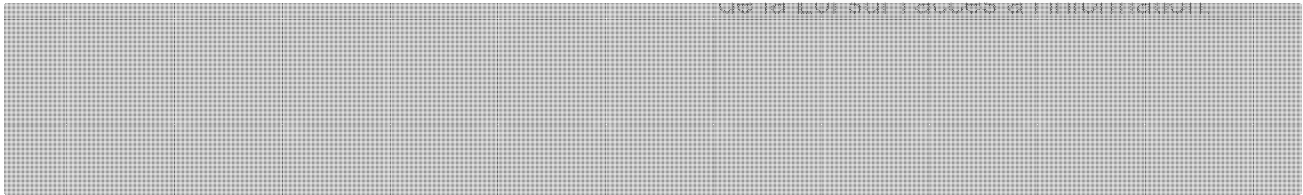
DEADLINE: 3-3 30 pm PST

APPROVED BY:

PROPOSED RESPONSE:

-
-



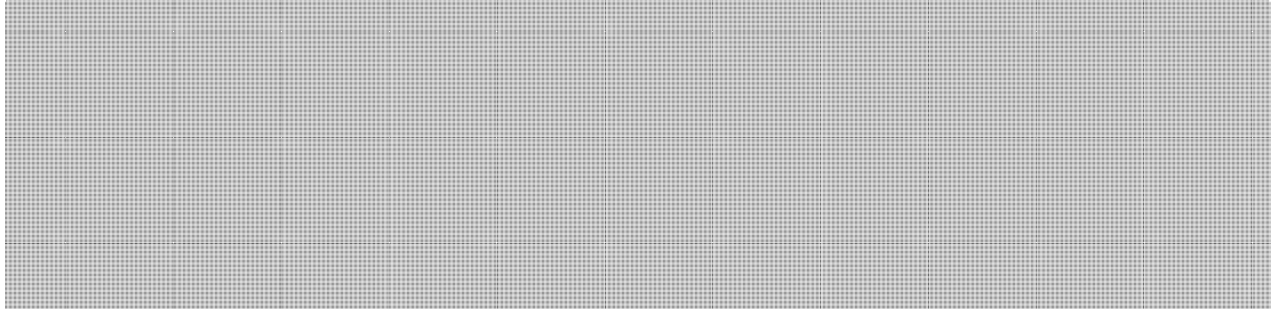


From: Jackson, Ashley s.16(2)
Sent: August-08-18 4:31 PM s.21(1)(a)
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer s.21(1)(b)
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: CTV media call -- Media line for approval


Hi there,


I just got a call from Vance -- they have a call in MINO about clarifying our position on permits. I would recommend the following line: Can all of you circulate for concurrent approvals ASAP so that Vance can get back to the reporter by their 5:30 deadline. Carole can you follow up with Vance with more details while we run approvals?

Proposed response:



Ashley Jackson

Communications Manager, Fisheries and Harbour Management
Fisheries and Oceans Canada / Government of Canada
ashley.jackson@dfo-mpo.gc.ca / Cel: 

Gestionnaire des communications, Gestion des pêches et des ports
Pêches et Océans Canada / Gouvernement du Canada
ashley.jackson@dfo-mpo.gc.ca / Tél. Cell. : 

s.21(1)(a)

s.21(1)(b)

DRAFT

**Media Lines
Southern Resident Killer Whale J50**



**Pages 126 to / à 128
are withheld pursuant to sections
sont retenues en vertu des articles**

21(1)(b), 21(1)(a)

**of the Access to Information Act
de la Loi sur l'accès à l'information**

Dozie, Juachi

From: Davis, Neil
Sent: August-08-18 4 34 PM
To: Malikian, Janine
Cc: Girouard, Louise
Subject: RE CTV News Skype request - Sheila Thornton

Hi Janine

I haven't received any response from Sheila or Paul C today so cannot confirm that NOAA has actually submitted an application to DFO. As stated in our media lines, once an application is received, it can be assessed and the licence can be issued extremely quickly. We already issue NOAA licences for other types of research work on these whales, so there is a well established protocol [REDACTED]

From: Malikian, Janine
Sent: Wednesday, August 8, 2018 4.16 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Cc: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Subject: FW: CTV News Skype request - Sheila Thornton

Neil,

Please see media request below re: permitting for the activities of the response plan in Canadian waters

We heard from NOAA that they were going to submit their application this afternoon, and media are already asking about timeline.

Do you know what the status of the application is and when it would be expected to be approved, and do you have a response to the query?

Merci,

Janine

From: [REDACTED]
Sent: August-08-18 3:49 PM
To: Malikian, Janine
Cc: [REDACTED]
Subject: RE: CTV News Skype request - Sheila Thornton

Janine,

I understand from NOAA that they are involved in making an application to the DFO this afternoon for the permits for antibiotics and feeding chinook to J50. When is that application expected to be approved by the DFO?

Please advise as soon as possible this afternoon.

Thanks,

[REDACTED]

CTV News Vancouver Island | [REDACTED]

1420 Broad Street
Victoria, BC V8W 2B1
Canada



From: Malikian, Janine [mailto:Janine.Malikian@dfo-mpo.gc.ca]

Sent: August-08-18 2:51 PM

To: [REDACTED]

Subject: RE: CTV News Skype request - Sheila Thornton

OK, noted [REDACTED]

Cheers,

Janine

From: [REDACTED]

Sent: August-08-18 2:48 PM

To: Malikian, Janine

Subject: RE: CTV News Skype request - Sheila Thornton

I too am interested in a statement regarding permitting if available.

Thanks,

[REDACTED]

CTV News Vancouver Island | [REDACTED]

1420 Broad Street
Victoria, BC V8W 2B1
Canada



From: [REDACTED]

Sent: August-08-18 2:47 PM

To: 'Malikian, Janine'; [REDACTED]
Subject: RE: CTV News Skype request - Sheila Thornton

Hi Janine,

Do you have a photo of Sheila Thornton you can please send me on the off chance she isn't available by deadline?

Thanks,
[REDACTED]

[REDACTED]
CTV News Vancouver Island [REDACTED]

1420 Broad Street
Victoria, BC V8W 2B1
Canada



From: Malikian, Janine [mailto:Janine.Malikian@dfo-mpo.gc.ca]

Sent: August-08-18 2:29 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: RE: CTV News Skype request - Sheila Thornton

OK, thanks for the deadline, Sheila

Working on this for you.

Cheers,

Janine

From: [REDACTED]

Sent: August-08-18 2:26 PM

To: Malikian, Janine; RHQ - Media.PAC

Cc: [REDACTED]

Subject: RE: CTV News Skype request - Sheila Thornton

Hi Janine – My deadline is 4 pm PST today

Do you have any kind of statement on what the current status of permitting is in Canadian waters for J50 – and why?

It would be good to have something in writing given the interest in this case on both sides of the border if Sheila Thornton is unavailable.

Thanks –

From: Malikian, Janine [<mailto:Janine.Malikian@dfo-mpo.gc.ca>]

Sent: Wednesday, August 08, 2018 2:22 PM

To: [REDACTED] RHQ - Media.PAC

Cc: [REDACTED]

Subject: RE: CTV News Skype request - Sheila Thornton

Hi [REDACTED]

Apologies about the delay in getting back to you. Sheila Thornton is back in the field and hard to reach

Not sure it will be possible to do an interview with her today. What's your deadline?

Thanks,
Janine

Janine Malikian

Communications Advisor | Conseillère en Communications

Fisheries and Oceans Canada | Government of Canada

Pêches et Océans Canada | Gouvernement du Canada

200-401 Burrard Street | Pièce 200 401, rue Burrard

Vancouver, BC V6C 3S4 | Vancouver, (C.-B.) V6C 3S4

Janine.Malikian@dfo-mpo.gc.ca

Tel/Tél: 604-666-6766 | Fax/Télécopieur: 604-666-1847

Follow us on Twitter! [@DFO_Pacific](#) / Suivez-nous sur Twitter! [@MPO_Pacifique](#)



Fisheries and Oceans
Canada

Pêches et Océans
Canada

From: [REDACTED]

Sent: August-08-18 2:15 PM

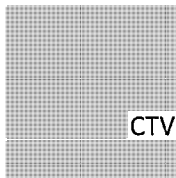
To: RHQ - Media.PAC

Cc: [REDACTED]

Subject: RE: CTV News Skype request - Sheila Thornton

Hello – It's been a few hours and I haven't heard back. Is anyone working on this request for me?

Thanks –



CTV Vancouver

From: [REDACTED]

Sent: Wednesday, August 08, 2018 11:56 AM

To: RHQ - Media.PAC (Media.PAC@dfo-mpo.gc.ca)

Subject: CTV News Skype request - Sheila Thornton

Hi there,

Thanks for having Paul and Sheila on the conference call this morning. That was very helpful.

I am wondering if Sheila Thornton might be available for a Skype call with me today. All other agencies are being very careful not wanting to weigh into the permitting issue. She had some very good information today and would be ideal to speak to where things are at on the Canadian side.

I would be sharing this material with my colleagues at CTV 2 in Victoria as well as King 5 and KOMO News in Seattle.

If Sheila is in Vancouver or Victoria we could also get her on-camera instead of Skype if that is easier.

Thanks so much –



CTV Vancouver



Dozie, Juachi

From: Davis, Neil
Sent: August-08-18 12 41 PM
To: Burns, Adam, Thomson, Andrew
Subject: RE Endangered orca that sparked international rescue plan spotted in B C

The challenge is that the key technical staff are in the field on boats today, and I have not heard back from them. Will need their input before bringing a summary to snr mgmt. There's a good chance we won't be able to do that until tomorrow.

-----Original Message-----

From: Burns, Adam
 Sent: Wednesday, August 8, 2018 12:31 PM
 To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
 Subject: Re: Endangered orca that sparked international rescue plan spotted in B.C....

We should include Nick Winfield in any discussion around what we will authorize. When do you think that discussion will occur?

Sent from my BlackBerry 10 smartphone on the Rogers network.

Original Message

From: Davis, Neil
 Sent: Wednesday, August 8, 2018 3:21 PM
 To: Burns, Adam; Thomson, Andrew
 Subject: FW: Endangered orca that sparked international rescue plan spotted in B.C...

See early media below from this morning's briefing. A key priority right now is confirming dept'l response to the different aspects of NOAA's proposal - as you can see, technical staff have indicated support for certain things and indicated other elements are under review.

-----Original Message-----

From: Girouard, Louise
 Sent: Wednesday, August 8, 2018 12:09 PM
 To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
 Cc: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>, Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>
 Subject: FW: Endangered orca that sparked international rescue plan spotted in B.C. ..

Hi Neil,
 First of the articles from the media briefing this morning,

Paul and Sheila thanks for helping us clarify the issues around licensing requirements in Canada - I think CP did a good job at explaining it below.

We are working on media lines which should be coming your way for approvals.

L

-----Original Message-----

From: Command News <fp.NEWS.LGIROUARD@commandnews.com>

Sent: Wednesday, August 8, 2018 11:53 AM

To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>

Subject: Endangered orca that sparked international rescue plan spotted in B.C....

Profile: LGIROUARD / My Drawer / DFO - Clip 2 (limit 100) Aug 08 2018 14:53:00 - Source: ENV [The Canadian Press]

Endangered orca that sparked international rescue plan spotted in B.C. waters (Whale-Rescue) VANCOUVER _ An emaciated and endangered killer whale that scientists feared could be dead has been spotted swimming in the waters off Vancouver Island

Paul Cottrell of Fisheries and Oceans Canada says a federal research team saw J50 Tuesday afternoon near Port Renfrew, B.C., but conditions were so foggy that they couldn't assess her condition.

The young female orca has sparked an international rescue effort by Canadian and American scientists who have developed a novel plan to feed her **>salmon<** medicated with antibiotics

J50 is one of only 75 Southern resident killer whales that swim the coastal waters between British Columbia to California.

As a female with reproductive potential, scientists say she could play a vital role in her species' recovery if she survives.

While the **>salmon<**-feeding idea has not yet received approval from Canadian officials, Cottrell says Canada is prepared to give the green light to a plan to administer antibiotics by dart or with a pole-mounted syringe, once it receives an application from its American counterparts.

The first step before administering any antibiotics will be to assess J50's condition, once she is located again in appropriate conditions

"In terms of the licensing for the pole-mounted antibiotic injection or the darting mechanism .. the activity from scientists has been approved, but we still need the application from the individuals, the researchers, the experts who want to undertake this," Cottrell said

Sheila Thornton, a research scientist with Fisheries and Oceans Canada, says J50 was spotted with her mother but she could not say what direction they are travelling.

Thornton says weather conditions looked better Thursday, so they were hoping for another sighting in order to collect fecal and breath samples from J50

INDEX HUMAN INTEREST ENVIRONMENT NATIONAL POLITICS Visit thecanadianpress.com for more services from The Canadian Press, Canada's trusted news leader

Dozie, Juachi

From: Davis, Neil
Sent: August-08-18 8 24 PM
To: Girouard, Louise
Cc: Malikian, Janine
Subject: Re For approval -- Revised Media lines RE J50 - current status - comms

Hi Louise, yes, this info is correct

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Girouard, Louise
Sent: Wednesday, August 8, 2018 7:42 PM
To: Davis, Neil
Cc: Malikian, Janine
Subject: FW: For approval -- Revised Media lines RE: J50 - current status - comms

Sorry to bother you as this late hour but I was told there were some conversations today around the permitting

Can you please look at the following and let us know if this is accurate? - apologies if you have already commented - been a crazy day for all ☺

L

Fisheries and Oceans Canada received a proposed rescue plan from NOAA on August 3rd - what is involved in reviewing this plan and how long will it take before the Government of Canada can determine if it can be put in action in Canadian waters?

- The first step before taking any action is to more fully assess the potential causes of J50's condition. If J50 is sighted again, DFO and NOAA will work to collect fecal and breath samples from the whale to better understand her health condition.
- If J50 were to be treated in Canadian waters, a permit would be needed before a treatment can be pursued.
- Under sub section 73(2) of the *Species at Risk Act* such an activity could be permitted as "the activity benefits the species or is required to enhance its chance of survival in the wild."
- Once the course of treatment is specified, the process of granting a permit can be completed extremely quickly.

Would the Government of Canada require a permit to allow for the feeding of the orca?

- Under sub section 73(2) of the *Species at Risk Act* such an activity would be permitted if "the activity benefits the species or is required to enhance its chance of survival in the wild." Once the course of treatment is specified, the process of granting a permit can be completed extremely quickly.

Don't the Marine Mammal Regulations prohibit feeding whales?

- While it is true that under the MMRs feeding and disturbing whales is not allowed, the Regulations note that the activity is permitted if it is in the manner authorized by the *Species At Risk Act*.

Dozie, Juachi

From: Davis, Neil
Sent: August-08-18 2 00 PM
To: Lowe, Carmel, Webb, Cheryl
Cc: Thomson, Andrew, Kennedy, Eddy, Girouard, Louise, Malikian, Janine, Stewart, Julie
Subject: RE For Urgent ADM Approval CTV media call -- J50

Working on some edits now to go back up through regional comms. There is yet another thread that came down through the EMB SARA folks at NHQ, so I'm combining my edits w those that Julie Stewart has provided. Will cc you all on my edits so we can integrate it all

From: Lowe, Carmel
Sent: Wednesday, August 8, 2018 1:53 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>, Webb, Cheryl <Cheryl.Webb@dfo-mpo.gc.ca>
Cc: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>, Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Subject: FW. For Urgent ADM Approval. CTV media call -- J50

Not sure where these were generated or if you had input? In any case this is the first time I am seeing them .. will check in with my Science staff but want to ensure you have opportunity to input too if you have not already done so

Carmel

Carmel Lowe, Ph D
Regional Director Science | Directrice régionale des sciences
Fisheries and Oceans Canada | Pêches et Océans Canada
Pacific Biological Station | Station biologique du Pacifique
3190 Hammond Bay Rd, Nanaimo, BC, Canada V9T 6N7

Carmel.Lowe@dfo-mpo.gc.ca
Telephone | Téléphone 250-756-7177
Facsimile | Télécopieur 250-729-8360
Government of Canada | Gouvernement du Canada

From: McPherson, Arran
Sent: August 8, 2018 1:50 PM
To: Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>
Cc: Nadeau, Simon <Simon.Nadeau@dfo-mpo.gc.ca>, Orok, Rowena <Rowena.Orok@dfo-mpo.gc.ca>, Szerze, Anita <Anita.Szerze@dfo-mpo.gc.ca>, Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>
Subject: RE For Urgent ADM Approval CTV media call -- J50

Thanks Jennifer, I have not been involved in this issue so if the Region considers this line to be correct, I am fine with it. Ccing carmel

From: Northcott, Jennifer
Sent: Wednesday, August 8, 2018 4:44 PM
To: McPherson, Arran <Arran.McPherson@dfo-mpo.gc.ca>

s.19(1)

s.21(1)(a)

s.21(1)(b)

Cc: Nadeau, Simon <Simon.Nadeau@dfo-mpo.gc.ca>, Orok, Rowena <Rowena.Orok@dfo-mpo.gc.ca>; Szerze, Anita <Anita.Szerze@dfo-mpo.gc.ca>

Subject: For Urgent ADM Approval CTV media call -- J50

Importance: High

Hi Arran

Please see media response for your urgent approval (first line) The media call came into MINO, and they require the response by 5:30PM. This is concurrently being approved by Philippe and Sylvie. Your approval by 5:10 PM would be appreciated. Thank you.

ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50. Paul Cottrell has repeatedly said that permits are not currently in place to give J50 antibiotics via syringe or to feed her live chinook. He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States.

My question is, why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

APPROVED BY:

PROPOSED RESPONSE:

[REDACTED]

Barton, Meagan

From: Reid, Rebecca
Sent: August-08-18 12:18 PM
To: Davis, Neil
Cc: Burns, Adam, Thomson, Andrew; Payne, Brigid, Harber, Lee, Lowe, Carmel, Girouard, Louise
Subject: Re SRKW - J50 update
Categories: CC'ed messages

Thanks for the update Neil. I would suggest that Andy be that senior contact, and that he consult on the approach with his national colleagues.

RR

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Davis, Neil
Sent: Wednesday, August 8, 2018 2:06 PM
To: Reid, Rebecca
Cc: Burns, Adam; Thomson, Andrew; Payne, Brigid; Harber, Lee; Lowe, Carmel; Girouard, Louise
Subject: SRKW - J50 update

Hi Rebecca

There has been a lot of media coverage recently around the health of J50, a juvenile SRKW. Late last week, NOAA announced potential plans for emergency interventions to address her health. Here's a quick update on what we're doing to stay on top of this

- NOAA is holding daily press conferences updating on the status of J50 and their response actions, which DFO technical staff are attending. While we've established a dialogue w them at a working level to review their proposals, we're still working on identifying the appropriate contact at a more senior level to ensure we are working w them in a coordinated way. If you have a recommendation on the appropriate contact, pls let me know.
- We're convening a small group from region and NHQ to talk daily about updates, review NOAA's proposals, and report up. Mino is seeking regular updates on this issue. There may be a briefing for MinO scheduled as early as tomorrow to outline NOAA's proposals and our assessment of them. NOAA is seeking a licence from DFO to be able to undertake some of the actions in Cdn waters, so we'll need to decide which proposed emergency measures we support or not and why. We'll need to convey this back to NOAA and have it reflected in our comms materials.
- I'm suggesting we check in w you, Andy, Brigid (for Cheryl), Carmel, and Adam to confirm support for our proposed response to the NOAA proposals prior to outlining any response for MinO. This may occur as early as today.
- We'll work w Comms to update media lines accordingly. At the moment, I've proposed to serve as the spokesperson.

Neil

Patrick, Lindsey

From: Blewett, Catherine
Sent: August-08-18 4 37 PM
To: Lapointe, Sylvie
Cc: Stringer, Kevin; Kahn, Zoe; Butcher, Ashley; Patrick, Lindsey; Reid, Rebecca; Burns, Adam
Subject: Re Comms!

Thanks so much Sylvie. I truly appreciate you and team digging in on this.

C

Sent from my BlackBerry 10 smartphone on the Bell network.

From: Lapointe, Sylvie
Sent: Wednesday, August 8, 2018 5:06 PM
To: Blewett, Catherine
Cc: Stringer, Kevin; Kahn, Zoe; Butcher, Ashley; Patrick, Lindsey; Reid, Rebecca; Burns, Adam
Subject: RE: Comms!

Hi – here is the latest:

Media lines are now in approvals in NHQ. The NOAA press conference this morning focused mostly on process and was handled well by Paul Cottrell and by Dr. Sheila Thornton. We would recommend that the two continue from this point on as spoke persons given that the focus is now more on the scientific options for treatment. We understand that the licensing has more to do with SARA than the MMRs. As for correction for the misinterpretation of Paul's remarks yesterday by CP, we will scan the other news sources to see if it has continued. We believe the story has evolved and our focus should now be on stating the options on saving the whale and reaffirming our position on the issues and explaining that it is complex, not procedural.

Next steps: working to get some messaging approved for the next NOAA call tomorrow at 10 am PT.

There has been a lot of media coverage recently around the health of J50, a juvenile SRKW. Late last week, NOAA announced potential plans for emergency interventions to address her health. Here's a quick update on what we're doing to stay on top of this

- NOAA is holding daily press conferences updating on the status of J50 and their response actions, which DFO technical staff are attending. While we've established a dialogue with them at a working level to review their proposals, we're still working on identifying the appropriate contact at a more senior level to ensure we are working with them in a coordinated way.
- We're convening a small group from region and NHQ to talk daily about updates, review NOAA's proposals, and report up. MINO is seeking regular updates on this issue. There may be a briefing for MINO scheduled as early as tomorrow to outline NOAA's proposals and our assessment of them. NOAA is seeking a licence from DFO to be able to undertake some of the actions in Canadian waters, so we'll need to decide which proposed emergency measures we support or not and why. We'll need to convey this back to NOAA and have it reflected in our communications materials.

Hope this is helpful.

Sylvie

From: Blewett, Catherine

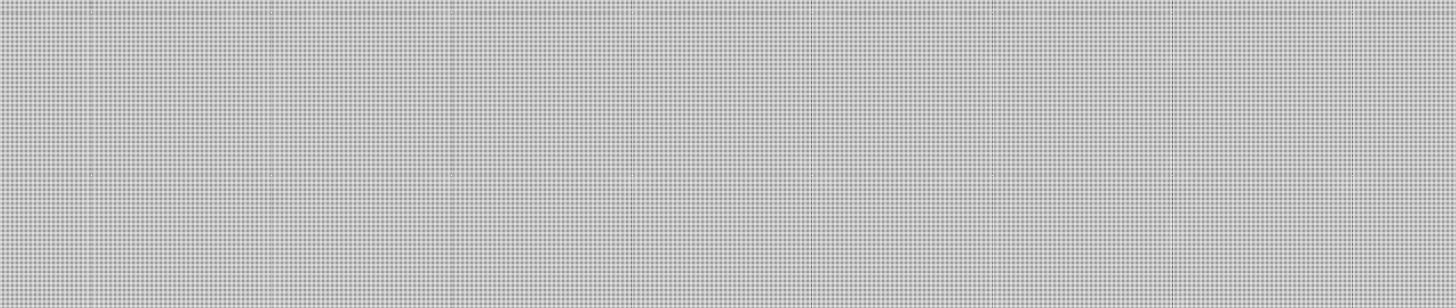
Sent: Wednesday, August 8, 2018 12:33 PM

To: Stringer, Kevin <Kevin.Stringer@dfo-mpo.gc.ca>, Lapointe, Sylvie <Sylvie.Lapointe@dfo-mpo.gc.ca>, Kahn, Zoe <Zoe.Kahn@dfo-mpo.gc.ca>

Subject: Comms!

Importance: High

Hi there



Thanks

C

Sent from my BlackBerry 10 smartphone on the Bell network.

Patrick, Lindsey

From: McElhone, Kathryn
Sent: August-08-18 2:56 PM
To: Lapointe, Sylvie
Cc: Burns, Adam, Jackson, Ashley
Subject: next steps following NOAA tech brief on J50

Sylvie,

Ashley and I just met with Adam, after a call with Louise Girouard. The lines you have already seen are now in approvals in NHQ. The NOAA press conference focused mostly on process and was handled well by Paul and by Dr. Sheila Thornton. We would recommend that the two continue from this point on as spoke persons given that the focus is now more on the scientific options for treatment. We understand that the licensing has more to do with SARA than the MMRs. As for correction for the misinterpretation of Paul's remarks yesterday by CP, we will scan the other news sources to see if it has continued. We believe the story has evolved and our focus should now be on stating the options on saving the whale and reaffirming our position on the issues and explaining that it is complex, not procedural. Next steps: working to get some messaging approved for the next NOAA call tomorrow at 10 am PT. I would appreciate if you could send on to the Deputy. Thanks,

Kathryn McElhone
Senior Director, Ministerial Services & Regional Liaison
Fisheries and Oceans Canada
(613) 990-0360
Kathryn.mcelhone@dfo-mpo.gc.ca

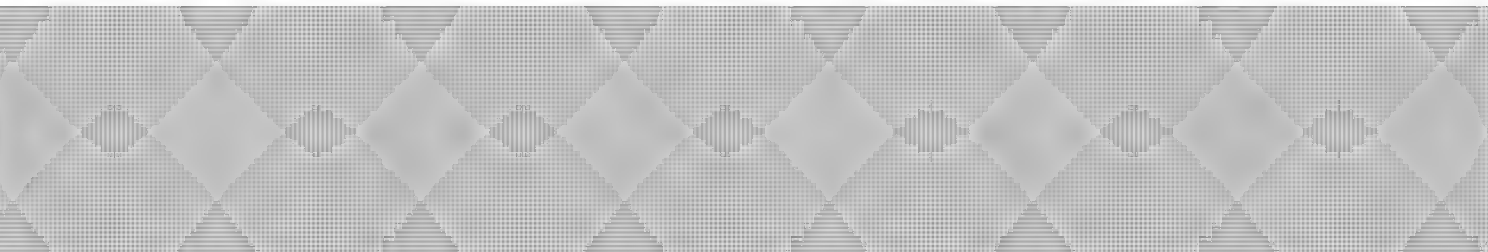
Johal, Mark

From: Webb, Cheryl
Sent: August-08-18 12 07 PM
To: Lowe, Carmel; Thomson, Andrew
Subject: Re Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

I think this is news to all of us at this level and everything is moving very quickly. [REDACTED]
[REDACTED] I would appreciate being kept in the loop and part of conversations. .thx
C

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Lowe, Carmel
Sent: Wednesday, August 8, 2018 11:33 AM
To: Thomson, Andrew; Webb, Cheryl
Subject: FW: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50



Further – I think it would be useful to establish some internal protocols for co-ordinating on issues like this when they arise – as there is confusion as to who is leading certain aspects.

Thoughts?

Carmel

Carmel Lowe, Ph D.
Regional Director Science | Directrice régionale des sciences
Fisheries and Oceans Canada | Pêches et Océans Canada
Pacific Biological Station | Station biologique du Pacifique
3190 Hammond Bay Rd, Nanaimo, BC, Canada V9T 6N7
Carmel.Lowe@dfo-mpo.gc.ca
Telephone | Téléphone 250-756-7177
Facsimile | Télécopieur 250-729-8360
Government of Canada | Gouvernement du Canada

From: Davis, Neil
Sent: August 8, 2018 10:26 AM
To: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Cc: Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>, Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Subject: RE. Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Thanks Paul,

I'd like to convene a discussion today to summarise our assessment of these proposals and determine which we are supportive of (or not) and the rationale, so that we can start pulling together a summary for decision makers and ultimately prepare updated media lines that reflect our views. We will also need to discuss the appropriate channels for communicating back to NOAA, likely at a technical and more snr mgmt. level

I believe that both you and Sheila are in the field. When is the soonest you can be available, and is there anyone else from Science we should include?

Thx
Neil

From: Cottrell, Paul
Sent: Wednesday, August 8, 2018 7:48 AM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Cc: Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>
Subject: FW: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Hi All,
Latest proposal on NOAA and partner activities related to chinook feeding trials fyi.

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Kristin Wilkinson - NOAA Federal [REDACTED]
Sent: Wednesday, August 08, 2018 6:51 AM
To: Thornton, Sheila; Cottrell, Paul
Cc: Lynne Barre; Teri Rowles; Sarah Wilkin - NOAA Federal
Subject: Fwd: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Sheila and Paul,

We have received a revised proposal from The Whale Sanctuary Project. The updated version is attached here.

In summary, providing temporary nutritional support of J50 would be done first through a live fish release trial by one vessel and through a chute in the vicinity of J50, likely 50-100 yards in the front of her path. If she does take live fish then the next step will be taken to provide oral medications in the fish such as antibiotics and an anti fungal. This drug combination would address a range of bacterial infections J50 is susceptible to.

I apologize that I was not on the call yesterday. I am in the San Juans and spent the entire day with the core response team in discussions of this proposal and outlining future response goals.

Kristin

----- Forwarded message -----

From: **Katy Foster** <[REDACTED]>

Date: Tue, Aug 7, 2018 at 10:06 PM

Subject: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

To: Lynne Barre - NOAA Federal <[REDACTED]>, Teri Rowles

[REDACTED] Kristin Wilkinson - NOAA Affiliate

Cc: " [REDACTED] jeff foster

[REDACTED] Deborah Giles [REDACTED], Joseph Karl Gaydos

[REDACTED] Martin Haulena [REDACTED] Brad Hanson

[REDACTED], Candice Emmons - NOAA Federal [REDACTED]

Sam Wasser [REDACTED]

Hi Everyone -

Attached is a finalised Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50.

All the best,
Jeff & Katy Foster

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell

Johal, Mark

From: Webb, Cheryl
Sent: August-08-18 12 10 PM
To: Stewart, Julie, Winfield, Nicholas
Subject: Fw Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

This is all moving quickly, so I will try to keep you up to date as best I can...

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>
Sent: Wednesday, August 8, 2018 11:33 AM
To: Thomson, Andrew; Webb, Cheryl
Subject: FW: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Further – I think it would be useful to establish some internal protocols for co-ordinating on issues like this when they arise – as there is confusion as to who is leading certain aspects.

Thoughts?

Carmel

Carmel Lowe, Ph D
 Regional Director Science | Directrice régionale des sciences
 Fisheries and Oceans Canada | Pêches et Océans Canada
 Pacific Biological Station | Station biologique du Pacifique
 3190 Hammond Bay Rd, Nanaimo, BC, Canada V9T 6N7
Carmel.Lowe@dfo-mpo.gc.ca
 Telephone | Téléphone 250-756-7177
 Facsimile | Télécopieur 250-729-8360
 Government of Canada | Gouvernement du Canada

From: Davis, Neil
Sent: August 8, 2018 10:26 AM
To: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Cc: Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>, Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>, Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Subject: RE: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Thanks Paul,

I'd like to convene a discussion today to summarise our assessment of these proposals and determine which we are supportive of (or not) and the rationale, so that we can start pulling together a summary for decision makers

and ultimately prepare updated media lines that reflect our views. We will also need to discuss the appropriate channels for communicating back to NOAA, likely at a technical and more snr mgmt. level

I believe that both you and Sheila are in the field. When is the soonest you can be available, and is there anyone else from Science we should include?

Thx
Neil

From: Cottrell, Paul
Sent: Wednesday, August 8, 2018 7:48 AM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Cc: Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>, Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>
Subject: FW: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Hi All,
Latest proposal on NOAA and partner activities related to chinook feeding trials fyi.

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

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Sent: Wednesday, August 08, 2018 6:51 AM
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Cc: Lynne Barre; Teri Rowles; Sarah Wilkin - NOAA Federal
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In summary, providing temporary nutritional support of J50 would be done first through a live fish release trial by one vessel and through a chute in the vicinity of J50, likely 50-100 yards in the front of her path. If she does take live fish then the next step will be taken to provide oral

medications in the fish such as antibiotics and an anti fungal. This drug combination would address a range of bacterial infections J50 is susceptible to.

I apologize that I was not on the call yesterday. I am in the San Juans and spent the entire day with the core response team in discussions of this proposal and outlining future response goals.

Kristin

----- Forwarded message -----

From: **Katy Foster** <[REDACTED]>

Date: Tue, Aug 7, 2018 at 10:06 PM

Subject: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

To: Lynne Barre - NOAA Federal [REDACTED], Teri Rowles

[REDACTED] Kristin Wilkinson - NOAA Affiliate

[REDACTED]

Cc: "[REDACTED] jeff foster

[REDACTED] Deborah Giles [REDACTED] Joseph Karl Gaydos

[REDACTED] Martin Haulena <[REDACTED]> Brad Hanson

[REDACTED] Candice Emmons - NOAA Federal [REDACTED]

Sam Wasser [REDACTED]

Hi Everyone -

Attached is a finalised Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50.

All the best,
Jeff & Katy Foster

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell

Johal, Mark

From: Webb, Cheryl
Sent: August-08-18 2 25 PM
To: Lowe, Carmel; Davis, Neil, Malikian, Janine
Cc: Girouard, Louise, Kennedy, Eddy, Thomson, Andrew, Kennedy, Eddy
Subject: Re CTV media call -- Media line for approval

These look fine by me as well.

Cheryl

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Lowe, Carmel
Sent: Wednesday, August 8, 2018 2:16 PM
To: Davis, Neil; Malikian, Janine
Cc: Girouard, Louise; Kennedy, Eddy; Thomson, Andrew; Webb, Cheryl; Kennedy, Eddy
Subject: RE: CTV media call -- Media line for approval

These are fine from my end – again linking Cheryl in given SARA implications . .

Carmel

Carmel Lowe, Ph D
 Regional Director Science | Directrice régionale des sciences
 Fisheries and Oceans Canada | Pêches et Océans Canada
 Pacific Biological Station | Station biologique du Pacifique
 3190 Hammond Bay Rd, Nanaimo, BC, Canada V9T 6N7
Carmel.Lowe@dfo-mpo.gc.ca
 Telephone | Téléphone 250-756-7177
 Facsimile | Télécopieur 250-729-8360
 Government of Canada | Gouvernement du Canada

From: Davis, Neil
Sent: August 8, 2018 2:13 PM
To: Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>
Cc: Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>; Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

Janine,

Revised lines below. These were also sent out for review w/in Science and EMB at NHQ. Julie Stewart has forwarded me NHQ EMB edits. I've incorporated them and made some further revisions. Carmel's team may want to review these too.

-



s.19(1)
s.21(1)(a)
s.21(1)(b)

de la Loi sur l'accès à l'information

From: Malikian, Janine
Sent: Wednesday, August 8, 2018 1:42 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: FW: CTV media call -- Media line for approval
Importance: High

Hi Neil,

Please see proposed response below re: J50 permits for a media request sent to MinO.

Any major concerns? This is moving very quickly, so appreciate your response ASAP.

Thanks,
Janine

From: Jackson, Ashley
Sent: August-08-18 1:37 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: RE: CTV media call -- Media line for approval

Sorry all. Revised slightly.

ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50. Paul Cottrell has repeated said that permits are not currently in place to give J50 antibiotics via syringe or to feed her live chinook. He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States.

My question is: why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

DEADLINE: 3-3:30 pm PST.

APPROVED BY:

PROPOSED RESPONSE:

s.16(2)
s.21(1)(a)
s.21(1)(b)

de la Loi sur l'accès à l'information

From: Jackson, Ashley
Sent: August-08-18 4:31 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: CTV media call -- Media line for approval

Hi there,

I just got a call from Vance -- they have a call in MINO about clarifying our position on permits. I would recommend the following line. Can all of you circulate for concurrent approvals ASAP so that Vance can get back to the reporter by their 5:30 deadline Carole can you follow up with Vance with more details while we run approvals?

Proposed response:

Ashley Jackson



Communications Manager, Fisheries and Harbour Management
Fisheries and Oceans Canada / Government of Canada
ashley.jackson@dfo-mpo.gc.ca / Cel [REDACTED]

Gestionnaire des communications, Gestion des pêches et des ports
Pêches et Océans Canada / Gouvernement du Canada
ashley.jackson@dfo-mpo.gc.ca / Tél. Cell. [REDACTED]

Girouard, Louise


From: Michael Milstein - NOAA Federal <[REDACTED]>
Sent: Thursday, August 9, 2018 10:34 PM
To: Anderson, Laura
Cc: Girouard, Louise; Jim Milbury - NOAA Federal; Jackson, Ashley; Ruth Howell - NOAA Federal
Subject: Re: Updates on today's efforts.

Here is our FB post. Tweet going out shortly.

 **NOAA Fisheries West Coast** Published by Michael Milstein [?] · 6 mins · 

oa J50/Scarlet Update (8/9): Progress! Response teams today reached J Pod in Canadian waters and followed them into U.S. waters near San Juan Island. While very skinny and small, J50 / Scarlet kept up well with her mother and siblings. Veterinarian Marty Haulena from the Vancouver Aquarium got a thorough look at her and the team obtained a breath sample that will help assess any infection. They also administered a dose of antibiotics through a dart. Next step is to determine whether to proceed with trial feeding, depending on conditions and the location of the whales. Great work by the teams on the water! Stay tuned for further updates here and on our website at bit.ly/NOAAJ50J35

Photo: Biologists collected an earlier breath sample from J50 on July 21. Photo by Katy Foster/NOAA Fisheries, taken under permit 21368.



On Thu, Aug 9, 2018 at 10:15 PM, Michael Milstein - NOAA Federal <[REDACTED]> wrote:
actually, we just got it cleared so will be posting shortly.

On Thu, Aug 9, 2018 at 10:11 PM, Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca> wrote:

Wonderful Michael! Yes, I know all about approvals. I'll keep an eye on your channel and retweet either late tonight or in the morning, depending on what time your post goes out. Will you be issuing a follow-up to your breaking news in the morning to capture a bigger/newer/captivated audience?

Laura Anderson

A/Team-Lead, Digital Communications

Fisheries and Oceans Canada/Government of Canada

Laura.Anderson@dfo-mpo.gc.ca /Tel: 604-666-0392

Chef d'équipe intérimaire, Communications numériques

Pêches et Océans Canada/Gouvernement du Canada

Laura.Anderson@dfo-mpo.gc.ca / Tél. 604-666-0392

From: Michael Milstein - NOAA Federal <[REDACTED]>

Sent: Thursday, August 9, 2018 10:07 PM

To: Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca>

Cc: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>, Jim Milbury - NOAA Federal

<[REDACTED]>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>, Ruth Howell - NOAA Federal

Subject: Re: Updates on today's efforts.

Hi Laura,

We just got off the debrief call. They reached the whales and followed them into US waters near San Juan Island. Marty Haulena, the vet from Vancouver Aquarium, completed a thorough assessment and said J50, although very skinny and small, was keeping up well with her mother and siblings. They collected a blow sample and delivered a dose of antibiotics through a dart. They will determine whether to proceed with feeding trial tomorrow, depending on conditions and the location of the whales.

We are rapidly reviewing a Facebook post which we will also tweet, but I suspect it will still be at least an hour before we issue it. Our review process can take time, as I know that you know. Will update you if timing changes.

Thanks for all your work on this!

Best

Michael

On Thu, Aug 9, 2018 at 10:01 PM, Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca> wrote:

Hi Michael,

It's 10pm – confirming that nothing will be going out on Twitter tonight? Do you have an ETA for social media posts in the morning? Any info would be appreciated.

Thanks!

Laura Anderson

A/Team-Lead, Digital Communications

Fisheries and Oceans Canada/Government of Canada

Laura.Anderson@dfo-mpo.gc.ca /Tel: 604-666-0392

Chef d'équipe intérimaire, Communications numériques

Pêches et Océans Canada/Gouvernement du Canada

From: Girouard, Louise

Sent: Thursday, August 9, 2018 7:04 PM

To: Michael Milstein [REDACTED]; Jim Milbury - NOAA Federal

Cc: Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca>; Ruth Howell - NOAA Federal [REDACTED]

Subject: Updates on today's efforts.

Kindly add Ashley and Laura to any updates to be posted the evening.

Much appreciated.

L

--
Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office. 503-231-6268

Cell [REDACTED]
[REDACTED]

Girouard, Louise

From: Forbes Darby - NOAA Federal <[REDACTED]>
Sent: Thursday, August 9, 2018 10 19 PM
To: Kurt Russo, c [REDACTED]
 [REDACTED] Deborah Giles, PhD, [REDACTED]
 [REDACTED] Katy Foster,
 [REDACTED] Jim McBain, RHQ - Media PAC,
 Girouard, Louise, Malikian, Janine, Anthony Hillaire
Cc: Amilee Wilson - NOAA Federal, Ruth Howell - NOAA Federal, Michael Milstein - NOAA
 Federal, Jim Milbury - NOAA Federal, Sarah Mesnick - NOAA Federal
Subject: BREAKING NEWS UPDATE J50/Scarlet Communications Coordination for 8/9

Good evening all,

The teams have reported from the field with some positive progress. Below is a cleared statement we put together based on the team's debrief. We will get this up on [Facebook](#) and our [website](#) as soon as we can. Please feel free to share or use this information in your communications.

Forbes

J50/Scarlet Update (8/9): Progress! Response teams today reached J Pod in Canadian waters and followed them into U.S. waters near San Juan Island. While very skinny and small, J50/Scarlet kept up well with her mother and siblings. Veterinarian Marty Haulena from the Vancouver Aquarium got a thorough look at her and the team obtained a breath sample that will help assess any infection. They also administered a dose of antibiotics through a dart. Next step is to determine whether to proceed with trial feeding, depending on conditions and the location of the whales. Great work by the teams on the water! Stay tuned for further updates here and on our website at bit.ly/NOAAJ50J35

On Thu, Aug 9, 2018 at 6:00 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:

Good evening Kurt and others,

We're hearing that the teams are on J pod right now. Details are very incomplete and sketchy at this point as they're busy doing their work.

We are waiting for the teams to report in from the field about what was accomplished today. We don't know what time that may be. As soon as we get some clarity around that, we will share that update with you and likely post an update to Facebook later tonight.

Let me also mention that those who are directly involved in today's on-the-water effort (including Martin Haulena from Vancouver Aquarium) will be on tomorrow's 10am media call and available to answer questions.

Stay tuned..

Forbes

On Thu, Aug 9, 2018 at 5:22 PM, Kurt Russo <[REDACTED]> wrote:

Does anyone in this loop know the status of efforts with J-50 as of 1720 tonight?

Kurt Russo

Lummi Nation

From: Forbes Darby - NOAA Federal [mailto: [REDACTED]]

Sent: Thursday, August 09, 2018 12:17 PM

To: [REDACTED] Deborah Giles, PhD; [REDACTED] Kurt Russo; [REDACTED] Katy Foster; [REDACTED] Amilee Wilson - NOAA Federal; Ruth Howell - NOAA Federal; Michael Milstein - NOAA Federal; Jim Milbury - NOAA Federal; [REDACTED] Jim McBain; media.pac@dfo-mpo.gc.ca; Anthony Hillaire; Sarah Mesnick - NOAA Federal; Girouard, Louise; Janine.Malikian@dfo-mpo.gc.ca

Subject: J50/Scarlet Communications Coordination Daily Update 8/9

Good afternoon,

Thank you again for taking the time to join yesterday's communication coordination call. One of my commitments to you was to share an update on our planned communication activities for the day. I realize it's already after noon. I will aim to get you these updates earlier in the coming days to be more useful for planning your activities.

Media Coverage Summary

We're seeing intense media interest from both national and local outlets in the US and Canada. The focus in the past 24 hours has been about plans and logistics to respond to J50/Scarlet, including some discussion of weather conditions hampering efforts and cross-border coordination and permitting approvals in Canada. There has also been coverage of the recent sighting updates of J pod. This includes coverage and inquiries from major outlets including the Today Show, Seattle Times, and People magazine of J35/Tahlequah who was re-spotted still carrying her calf.

Social Media Summary

Last night's post about DFO spotting J50/Scarlet and J35/Tahlequah reached 73,000 people at last count. Engagement with our posts is up 839% in the last week, according to Facebook, and we have reached 100,000 people in the last week, up 700% compared to the previous week. We've analyzed the sentiment (see attached). It's split between expressions of gratitude and a desire to see more action.

Planned Daily Communication Activities

Media call @ 10:00am

Speakers

- Paul Cottrell, DFO
- Andrew Thompson, DFO
- Sheila Thorton, DFO
- Brad Hanson - NOAA Fisheries
- Dawn Noren, NOAA Fisheries

Key Messages:

1. DFO spotted J pod yesterday, including J50/Scarlet and J35/Tahlequah still carrying her deceased calf. The search continues for the whales today.
2. The response team is ready to respond as soon as the pod is within range, and conditions allow them to reach the pod and assess J50's condition. We will also monitor the condition of J35/Tahlequah.
3. If a decision is made to feed J50/Scarlet, we would do so as a way to introduce medicine to treat an infection and not provide nutrition
4. While we're all focused on J50/Scarlet and J35/Tahlequah now, we must also continue those long-term actions that will truly recover these whales. So there is much more to this story, and we're here to help you also pursue other angles, such as the massive effort to restore habitat for salmon, the pharmaceuticals and other contaminants found in Puget Sound salmon the whales eat, and research on how vessel noise affects the whales.

Note.

We expect there to be significant interest in J35/Tahlequah and her dead calf today, especially if there are few updates related to J50. *We're identifying NOAA Fisheries experts who can speak to this bereavement behavior and would be happy to direct media to any of your experts for a richer perspective. Just let me know who those might be.*

Audio recordings of the media call are available on our [emergency response website](#).

Website Update and Social Media Post

We're working on a couple of website and social media posts for today.

1. We'll post an update from the field when that comes in, likely later today.

2. In the meantime, we are working on a post to address a misconception that we will be feeding J50/Scarlet for nutrition. At this stage, the experts in the field are assessing her condition and the behavior of the pod. After that is complete, the response team may - with help from the Lummi - attempt to feed her Chinook salmon as a way of introducing medicine, and not to supplement her diet.

Next Steps

Should there be breaking news, I'll coordinate with you on those updates as we get that information. Please do the same with this group if you have activities planned. In the meantime, please let me know how we can help or if you'd like to talk about any idea.

Again, please feel free to direct media inquiries on the response to Jim Milbury [REDACTED] And per yesterday's call, please direct media questions related to the Lummi to Tony Hillaire [REDACTED]

Thank you and talk with you soon

Forbes

--

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

2725 Montlake Blvd E

Seattle, WA 98112

Office 206-302-2474

Cell [REDACTED]

Girouard, Louise

From: Girouard, Louise
Sent: Thursday, August 9, 2018 3:31 PM
To: Michael Milstein - NOAA Federal, Malikian, Janine, Sloan, Lara, Bate, Dan
Cc: Jim Milbury, Ruth Howell - NOAA Federal, Smith, Kathleen
Subject: RE: Friday morning details - finalized

Thank you Michael – grateful if you could let us know who will be the Cdn reporter when you have confirmation

L

From: Michael Milstein - NOAA Federal <[REDACTED]>
Sent: Thursday, August 9, 2018 3:26 PM
To: Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Bate, Dan <Dan.Bate@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Cc: Jim Milbury <[REDACTED]> Ruth Howell - NOAA Federal <[REDACTED]>
Subject: Fwd: Friday morning details - finalized

Hi all,

Just wanted to share this with you regarding the media opportunities to go out on the water. The SoundGuardian, which is owned by King County (Seattle area government), is providing a few spots. They plan to try to include one slot for Canadian media. We have left the selection to them

If you have any media inquiring about this, [REDACTED] (info below) is the best contact.

Best
 Michael

----- Forwarded message -----

From: Williams, Doug-Media <[REDACTED]>
Date: Thu, Aug 9, 2018 at 3:13 PM
Subject: Friday morning details - finalized
To: Jim Milbury <[REDACTED]> Michael Milstein - NOAA Federal <[REDACTED]>

This was just sent to Lummi rep from our tribal relations officer.

Note that it won't likely be [REDACTED] as she's scheduled to be off tomorrow. I've already spoken to [REDACTED] and am contacting [REDACTED] next. Do you have contact info for a CBC reporter who has expressed interest? Thanks.

Friday, August 10, 2018 – Provide SoundGuardian Vessel and Crew as Support Vessel for Lummi Nation Feeding Efforts

King County is prepared to provide the SoundGuardian Vessel and its three-member crew on Friday 8/10 from 6 00am until 6:00pm to perform three functions

- 1) be a fish tender vessel for transporting live salmon as potential feed stock to the Orca J50 feeding effort that Lummi Nation implements,
- 2) be a support and safety vessel that shadows the Lummi Nation Enforcement Boat and its crew with readiness to accept the Lummi Boat's crew and passengers if needed; and
- 3) be a platform for media covering the feeding effort. King County is not prepared to perform any other function on Friday 8/9, including that King County will not be prepared to assume any feeding efforts in the event the Lummi Boat is unable to perform such operations. Activities will start and finish at Squalicum Harbor

With regard to safety/support responsibilities, King County will be prepared to accept up to seven Lummi Boat crew members and passengers if needed. With regard to media, King County is prepared to provide a platform for only the following individuals:

- 1) King County MultiMedia Specialist [REDACTED]
- 2) Lummi Nation Documentarian [REDACTED] (or his designated replacement)
- 3) Seattle Times Reporter [REDACTED]
- 4) Seattle Times Photographer [REDACTED]
- 5) Associated Press Reporter [REDACTED] or (her designated replacement)
- 6) Canadian Broadcast Company reporter (TBD)

Doug Williams

Media Relations Coordinator

King County Department of Natural Resources and Parks

Office 206-477-4543

Mobile. [REDACTED]



 Follow DNRP

--
Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office. 503-231-6268

Cell: 



NOAA FISHERIES

Find us online

www.nmfs.noaa.gov



Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Thursday, August 9, 2018 12 24 PM
To: Jim Milbury - NOAA Federal
Cc: Bate, Dan, Girouard, Louise
Subject: Re: Chat on the way forward - J50

Anytime after 1 is fine with me I'm not going to that meeting I have at 1

On Thu, Aug 9, 2018 at 12:21 PM, Jim Milbury - NOAA Federal <[REDACTED]> wrote:
 2.00 p m.?Looks like Michael is free .

Jim Milbury
 Public Affairs Officer
 NOAA Fisheries West Coast Region
501 W Ocean Blvd /Suite 4200
Long Beach, CA 90802
 Office 562-980-4006
 Mobile [REDACTED]



NOAA FISHERIES

Find us online

www.westcoast.fisheries.noaa.gov

"The field of science needs to communicate with the general public, because the ultimate goal of science is to do good, to gain knowledge, to understand and discover things that are ultimately for the good of mankind " Dr. Anthony S. Fauci, Director NIAID

On Thu, Aug 9, 2018 at 12:17 PM, Bate, Dan <Dan.Bate@dfo-mpo.gc.ca> wrote:

Hi Jim/Michael – great briefing at 10a this morning

Louise and I are looking to connect at some point to discuss our strategy forward on daily briefings

Any time after 1p would work well for Louise and I

Thanks,
 Dan

Dan Bate

Team Lead, Communications

Fisheries and Oceans Canada Pacific Region / Canadian Coast Guard / Government of Canada
Dan.Bate@dfo-mpo.gc.ca / Tel (604) 775-8809 / Cell [REDACTED]

Chef d'équipe, communications

Pêches et Océans Canada, région du Pacifique / Garde côtière canadienne / Gouvernement du Canada
Dan.Bate@dfo-mpo.gc.ca / Tél (604) 775-8809 / Tél cell [REDACTED]

--
Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office. 503-231-6268

Cell [REDACTED]



NOAA FISHERIES

Find us online

www.nmfs.noaa.gov



Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Thursday, August 9, 2018 8 26 AM
To: Michael Milstein - NOAA Federal, Jim Milbury
Subject: Call-in number for 10 a m briefing on J50 emergency response

NOAA Fisheries West Coast/Fisheries and Oceans Canada

August 9, 2018

MEDIA ADVISORY

NOAA Fisheries and DFO will hold a media teleconference today (Thursday, Aug. 9) at 10 a.m. Pacific Time to discuss the emergency response to support J50, an endangered Southern Resident killer whale.

When: 10 a.m. Pacific Time

Call-in number: 888-566-6311

Participant Passcode: 4722284

We ask that the call please be limited to working media.

Please visit NOAA Fisheries West Coast for the latest updates, photos, and information.

Any new photos will be posted in our dedicated Flickr album.

--

Michael Milstein
Public Affairs Officer
NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]
[REDACTED]



NOAA FISHERIES

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Dozie, Juachi

From: Cottrell, Paul
Sent: August-09-18 8 36 AM
To: Lowe, Carmel, Kennedy, Eddy, Thornton, Sheila
Cc: Davis, Neil, Thomson, Andrew
Subject: FW Action Plan for J50
Attachments: DFO_Application J50 docx

Here you go!

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal [REDACTED]
Sent: Wednesday, August 08, 2018 4:41 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Application to conduct marine mammal emergency response activities in Canadian Waters

J50, a 4 year old endangered Southern resident killer whale, has presented in declining health. Additional background information on J50 is available upon request.

In order to better understand the health status of J50, a veterinary health assessment and sample collection is needed. This assessment may be conducted in U.S. waters (all activities are currently permitted), but the response would be significantly improved if the assessment team could conduct activities in Canadian waters as the whales move across the border. All assessment activities in Canada will be conducted in consultation with DFO.

For the initial veterinary health assessment, and sample collection, the following activities are proposed (in priority order).

1. Collection of breath/blow sample
2. Collection of fecal sample
3. Collection of other samples opportunistically available (e.g , mucus and skin)
4. If skin discoloration is noted, collection of skin scrapings from discolored area.
5. Completion of a visual veterinary health assessment and photo/video documentation
6. Providing antibiotic treatment from the NWFSC boat via pole syringe or remote delivery

All samples will be collected by a response team on a single boat (a NOAA vessel). The composition of the team will vary depending upon the day, but a complete list of potential personnel is below

Additional information for each activity

1. Respiratory samples will be collected via petri dishes mounted on the end of a carbon fiber pole held just over the blowhole. The vessel closely approaches the whale to within the reach of the pole (5 meters or less), perpendicular to the whale, and the pole is lowered over the blowhole to catch the expired air. Respiratory samples taken will be analyzed for potential pathogens and other health indicators using cytology, culture and molecular methods.
RISKS:
 - Close approach could result in possible vessel strike. Mitigation measure. Experienced personnel with a vessel equipped for close approach and this type of work
 - Use of poles in close proximity to the whale could result in physical contact with sampling equipment Mitigation measure. Experienced personnel with extensive experience and used successfully in the past.
 - Close approach and respiratory sample collection could result in possible disturbance to other pod members. This disturbance is expected to be temporary and minimal..Mitigation measure: Experienced observers, pre and post approach monitoring.
 - We will make note of any disturbance or behavioral changes or reactions.
2. Fecal samples will be collected opportunistically whenever possible when visually detected floating on the water. Fecal samples collected this way can yield analyses of nutrition, hormones (e g.,

stress, reproductive), toxins, and DNA (to identify subject whale and prey species). Small fecal samples will be collected on sterile gauze sealed in zip locks and placed immediately in cool storage. Larger fecal samples will be collected in tubes and immediately placed in a cooler. Note: while all efforts will be made to collect feces from J-50, identification of which animal defecated is not always immediately possible in the field, and any available sample will be collected.

RISKS:

- Close approach provides the same risks outlined above. No additional risks are anticipated.

3. Mucus samples will be collected opportunistically whenever possible when visually detected floating on the water. Mucus samples can yield analyses of hormones and pathogens, among others. Mucus samples will be collected on sterile gauze and placed in cold storage.

Note: while all efforts will be made to collect mucus from J-50, identification of which animal the mucus is from may not always be immediately possible in the field, and any available sample will be collected.

RISKS:

- Close approach provides the same risks outlined above. No additional risks are anticipated.

4. If skin discolorations or abnormalities are observed (as has been previously noted caudal to the blowhole and on the flukes), skin samples will be obtained through a roughened collector (dish scrubbie or similar) on the end of a 5 m pole. The vessel closely approaches the whale to within the reach of the pole (5 meters or less), perpendicular to the whale, and the pole is lowered into contact with the discolored skin. Skin scrape samples will be analyzed to identify potential pathogens.

RISKS:

- Close approach provides the same risks outlined above. No additional risks are anticipated.
- Contact between the sampling pole and the whale will result in minor skin abrasions, which could cause swelling. Impacts are expected to be short-lived and minor. Mitigation measure: Experienced personnel and equipment has been used successfully in the past.

5. Veterinary health assessment is conducted visually by a veterinarian, with photo and video documentation. This assessment will likely be conducted simultaneously with the close approaches to collect the samples listed above, and would likely not require additional approaches. Health assessment will include observations of body condition and behavior, from various marine vessels, drone observations, and from shore (when possible). Photos (high resolution) and video (1080p and greater resolution) will be collected from all platforms utilized, and images will be used for comparisons and ongoing assessment. Behavioral patterns will be monitored as often as possible throughout the response. Behavioral ethograms may be developed for this purpose with a dedicated observer collecting this data for future analysis. Parameters that will be monitored and recorded include:

- Respiratory rate (# respirations/5 minutes)
- Blow odor
- Defecation frequency
- Position and distance relative to J16 (or other closely associated pod members)
- Foraging activity; % time spent logging

RISKS.

- Close approach provides the same risks outlined above. No additional risks are anticipated.
 - Photo documentation involves no anticipated risks.
6. Initial medical treatment via delivery of antibiotics by injection, either via pole syringe or remote delivery dart system. Injections will be administered into the epaxial or other large muscle mass. Needle length will be approximately 2". All injections will be supervised by a veterinarian. Medications List In Order Of Priority (as advised by veterinary team). The antibiotics on this list are intended to address the range of bacterial infections J50 is susceptible to.
- 2000-3000mg Convenia, SQ or IM once (600kg x 5 mg/kg) – one dose would provide 7-14 days efficacy; or
 - 2000-3000 mg Excede SQ or IM once (600kg x 5 mg/kg) – one dose would provide 5-10 days efficacy

*Antibiotic drug choice may change based on diagnostic findings. Any new drug choices & dosages will be provided to DFO as needed prior to use.

RISKS:

- Close approach provides the same risks outlined above.
- Medication injections may have side effects including result in potential abscess, localized pain and inflammation This is expected to be temporary and localized. More serious side effects such as muscle necrosis are possible but unlikely. Mitigation measure: Experienced personnel with significant experience and appropriate equipment choice.
- Excede and Convenia are both third generation cephalosporins and adverse effects are not serious and have a relatively low frequency of occurrence.

RESPONSE PERSONEL

The following personnel will be involved in this response at varying points, though the exact configuration of personnel on each boat at any given time will shift depending on needs of the effort and the availability of the individuals involved.

Dr. Joe Gaydos (SeaDoc) Health assessment including diagnostics and medical treatment
 Dr. Jim McBain (Sea World) Health assessment including diagnostics and medical treatment
 Dr. Hendrik Nollens (Sea World) Health assessment including diagnostics and medical treatment
 Dr. Martin Haulena (Vancouver Aquarium) Health assessment including diagnostics and medical treatment
 Dr. Brad Hanson (NOAA) Sample collection and vessel driver
 Candice Emmons (NOAA) Sample collection and vessel driver
 Jeff Foster (Whale Sanctuary Project) Sample collection and vessel driver
 Katy Foster (Whale Sanctuary Project) Sample collection and vessel driver
 Trevor Foster (research tech) Sample collection and vessel driver

*A staff member will be identified for photo and/or video documentation.

Dozie, Juachi

From: Cottrell, Paul
Sent: August-09-18 8 09 AM
To: Teri Rowles - NOAA Federal
Cc: Deborah Fauquier - NOAA Affiliate, Sarah Wilkin - NOAA Federal, Kristin Wilkinson, Brad Hanson, Davis, Neil, Thomson, Andrew, Lowe, Carmel, Thornton, Sheila, Greene, Annely
Subject: RE: Action Plan for J50

Hi Teri,
We are drafting a licence based on your proposal submitted yesterday. Please fill in the correct SARA application form which will be for our records.
Thanks so much,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul
Sent: Thursday, August 09, 2018 6:24 AM
To: Teri Rowles - NOAA Federal
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson; Davis, Neil; Thomson, Andrew; Lowe, Carmel; Thornton, Sheila; Greene, Annely
Subject: RE: Action Plan for J50

Hi Teri,
Thank-you so much. Our DFO science folks will evaluate the proposal and resource management will work to draft a licence in anticipation of approval. I have attached a licence application which will need to be completed. Please complete asap so we can draft licence.
Thanks again,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

s.19(1)

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal [REDACTED]
Sent: Wednesday, August 08, 2018 4:41 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Dozie, Juachi

From: Cottrell, Paul
Sent: August-09-18 6 24 AM
To: Teri Rowles - NOAA Federal
Cc: Deborah Fauquier - NOAA Affiliate, Sarah Wilkin - NOAA Federal, Kristin Wilkinson, Brad Hanson, Davis, Neil, Thomson, Andrew, Lowe, Carmel, Thornton, Sheila, Greene, Annely
Subject: RE Action Plan for J50
Attachments: MM- SARA LICENCE APPLICATION.docx

Hi Teri,
Thank-you so much. Our DFO science folks will evaluate the proposal and resource management will work to draft a licence in anticipation of approval. I have attached a licence application which will need to be completed. Please complete asap so we can draft licence.
Thanks again,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal [REDACTED]
Sent: Wednesday, August 08, 2018 4:41 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Marine Mammal/SARA Licence Application Instructions

The Species at Risk Act (SARA) was proclaimed in June 2003, by the Government of Canada for the protection of species at risk. A licence is required under the authority of the Fisheries (General) Regulations, Marine Mammal Regulations and the Species at Risk Act. This application is to be completed for all research/projects affecting a marine mammal species which is listed as Extirpated, Endangered or Threatened under Canada's Species at Risk Act. Information about the Act, status and location of SARA-listed species can be obtained at the following website http://www.sararegistry.gc.ca/default_e.cfm. Use this application if your research covers a variety of species that are both listed and non-listed under SARA.

For marine mammal species, including those listed as Special Concern under SARA, a Marine Mammal Licence Application is required and can be obtained from the Program Officer listed at the end of this document.

It is recommended that licence applications be submitted prior to **March 31st** each year and may be submitted pending dates and funding information is tentative. Applications received after **March 31st** will take additional time to process (i.e. up to 8 weeks) due to DFO operational limitations during the summer research period.

You need to apply for a Marine Mammal/SARA Licence when:

Contemplating an activity affecting a marine mammal that is listed as 'Extirpated', 'Endangered' or 'Threatened' on Schedule 1 of the SARA. Species listed as Special Concern are under the authority of the Fisheries (General) Regulations and the Marine Mammal Regulations and therefore require a Marine Mammal Licence.

What kind of activities may be authorized under SARA?

To be successful in your licence application, your activity must fall into one of the following categories under section 73(2) of SARA. The agreement may be entered into, or the licence issued, only if the Minister is of the opinion that:

- a) The activity is scientific research relating to the conservation of the species and conducted by qualified persons,
- b) The activity benefits the species or is required to enhance its chance of survival in the wild, or
- c) Affecting the species is incidental to the carrying out of the activity.

Part I – Applicant Information:

An Animal Care Permit or equivalent is required for research activities with the potential to disturb marine mammals, particularly if permission to capture or conduct invasive sampling is requested. If you believe that you require an ACC authorization and are not affiliated with an academic institution, please contact the DFO Program Officer listed at the end of this document.

Part II – Study/Project Information

Please provide information regarding the logistics of the proposed research and be as accurate as possible. If a study proposal or work plan has been developed, please attach it to your application. Numbers below pertain to the corresponding licence application numbers.

- 1 Provide Project Title and an abstract (in 100 words or less) that summarizes the proposed research activity.
- 2 Identify the lead investigator as well as research assistants. Indicate if assistants will be working independently of lead investigator.
- 3 Indicate all marine mammal species that the research/project will target or potentially impact. Status and location of SARA-listed species can be obtained at the following website: http://www.sararegistry.gc.ca/default_e.cfm.
- 4 Indicate the date and locations where the activity will occur. A listing of DFO Statistical Areas is available at the following website: <http://www.pac.dfo-mpo.gc.ca/fm-gp/maps-cartes/areas-secteurs/index-eng.html>. A "blanket" licence for the entire BC coast will not be issued without a detailed project plan and sufficient justification. Multi-year permits will be issued for a maximum of 3 years for ongoing established research programs.
- 5 Attach a picture of the research vessel(s), aircraft or aerial drone that will be used and submit with your application. It is the responsibility of the applicant to obtain Foreign Vessel Clearance (FVC) www.state.gov/e/oes/ocns/opa/rvc when a non-Canadian vessel, aircraft or aerial drone, will be used for research purposes in Canadian waters. If you are trailering a US vessel for use in Canadian waters, a Customs Clearance number must be obtained at the Canadian border.

- 6 6(g) When marine mammals or marine mammal parts are to be transferred within British Columbia a Marine Mammal Transfer Licence is required To transport across provincial or territorial boundaries, a Marine Mammal Transport Licence must be obtained Please refer to the following website for information on which species require a Convention for the International Trade in Endangered Species (CITES) permit <http://www.cites.org/> to transport across an international boundary
- 7 The “Be Whale Wise Guidelines - Marine Wildlife Guidelines for Boaters, Paddlers and Viewers (Revised 2011)” have been established to protect marine mammals from disturbance or harassment Copies of the guidelines can be obtained online or from the Program Officer
- 8 Self Explanatory
- 9 A detailed description of the project is necessary to assess potential impacts on the species of concern and other non targeted species Please be specific as to the number, duration and distance of approach, restraints or sampling periods If available, a work plan or proposal is useful in providing an assessment of the project Attach field collection methods and techniques

Part III – Impact and Mitigation Assessment

- 10 It is important to list all SARA-listed species and non-SARA listed species that may occur in the proposed research area and the anticipated harassments and/or mortalities for each
- 11 Describe in detail anticipated or potential disturbances or mortalities to all species listed in Section 10 and include impacts on habitat(s) used by the species List each species, the nature of harm, and rank the likelihood of harm or encounters (High, Medium, Low)
- 12 For information on Section 73(3) pre-conditions of SARA refer to http://www.sararegistry.gc.ca/default_e.cfm Pre-conditions (a) and (b) require that alternative measures such as area and/or time changes or changes to sampling gear or techniques must be considered and implemented if feasible before a licence can be issued. For pre-condition (c), please indicate (to the best of your knowledge) whether the proposed research activity, given (a) and (b), will jeopardize survival or recovery of the species. For the Minister of Fisheries and Oceans to be of the opinion that all of the pre-conditions laid out in Section 73(3) have been met, the onus is on the project proponent to do the following
 - Be proactive in their research design,
 - Demonstrate awareness of the provisions of SARA, and
 - Demonstrate that measures are being taken to minimise harm to listed species, and that they have considered all alternatives to carrying out the activity.

Part IV – SARA Recovery Planning Evaluation

- 13 Copies of final Recovery Strategies, Action Plans and Management Plans are available on the SARA website: http://www.sararegistry.gc.ca/default_e.cfm If recovery planning for the species under consideration has not been initiated, please indicate to the best of your ability how your proposed research/project supports species recovery

Are other licences still required?

A Marine Mammal/SARA licence does not constitute an authorization to access property or supersede, cover or replace the need for other applicable authorizations which are the responsibility of the applicant, i.e. Foreign Vessel Clearance, National Wildlife Area research permits, Convention for the International Trade in Endangered Species (CITES) permits, Migratory Bird permits, additional Fisheries Act licences or Provincial permits under the BC Wildlife Act

Submitting Your Application:

Please contact the undersigned if you have any questions and send your completed application via fax or email to

Annely Greene
DFO Marine Mammal Program Officer
Fisheries & Oceans Canada – Pacific Region
401 Burrard Street, Vancouver, BC V6C 3S4

Phone: 604-666-0071 Email Annely.Greene@dfo-mpo.gc.ca

Marine Mammal/SARA Licence Application

Fisheries & Oceans Canada – Pacific Region

****Please use TAB key to move between fields for check boxes****

PART I - APPLICANT INFORMATION		
Date _____		
Name _____		
Organization _____		
Street _____		
City _____		
Province/State _____		
Country _____	Postal Code/Zip _____	
Phone _____	Cellular _____	Fax _____
Email _____		
Applicant Experience/Credentials List relevant research programs, publications and/or attach CV		
Do you or your organization hold an Animal Care Committee Permit for this work? Yes <input type="checkbox"/> No <input type="checkbox"/>		
Attach copy to application - Permit # _____ If no, explain why <i>(Refer to Part I – Applicant Information)</i>		
List previous issued Marine Mammal/SARA licence numbers _____		
PART II - STUDY/PROJECT INFORMATION		
1. Project Title:		
Project Abstract: _____		
2. Personnel:		
Lead Investigator _____		
Assistants _____		
3. Species Information:		
Species Studied _____		
4. Dates & Location:		
Study Period _____	From _____	To _____
Are you requesting a multi-year licence? If yes, state reason for request below		Yes <input type="checkbox"/> No <input type="checkbox"/>
<i>(Refer to Part II, Item 3 of the Instructions)</i>		
Study Area/Location _____		
<i>(For DFO Statistical areas refer to Part II, Item 4 of the instructions)</i>		
5. Vessel/Aircraft/Aerial Drone Information: Attach photograph of research vessel(s) with your application		
Name(s) _____		
Registration # _____		
Country of Registration _____		
If vessel, aircraft or aerial drone is registered outside of Canada, have you applied for Foreign Vessel Clearance? <i>(If no, please refer to Part II, Item 5 of the Instructions)</i>		Yes <input type="checkbox"/> No <input type="checkbox"/>

METHODOLOGY:

6 Will animals be subjected to invasive sampling? Invasive sampling includes any methodology that involves capture and restraint of animals, direct or remote sampling of blood or tissues and the attachment of any apparatus to the marine mammal Yes ☐ No ☐

a) If yes, how many samples will be taken?

a) Will live animals be collected? Yes ☐ No ☐

b) If yes, how many animals will be collected?

c) Will live animals be transported from one marine environment to another marine environment or holding facility? Yes ☐ No ☐

d) If yes, state location and rationale

e) If yes to d) will animals be returned into the marine environment in the future? Yes ☐ No ☐

f) If yes, state location and rationale

g) Will animals, specimens or samples be transported? Yes ☐ No ☐

i) Within British Columbia? Yes ☐ No ☐

ii) To another Province or Territory in Canada Yes ☐ No ☐

iii) Across an international boundary? (Refer to Part II, Item 5 CITES in the Instructions) Yes ☐ No ☐

7 Do you propose to be in contravention of regionally posted guidelines (Be Whale Wise Guidelines – for Boaters, Paddlers and Viewers) for any planned activity? If yes explain rationale (Refer to Part II, Item 7 of the Instructions) Yes ☐ No ☐

8 Objective of Research/Project

9 Explain field collections/study techniques Attach project work plan/proposal if available

PART III – IMPACT ASSESSMENT

10	SARA Species to be included in Permit	Anticipated # of mortalities for each species
	Non-SARA Species to be included in Permit	Anticipated # of mortalities for each species
11 Describe anticipated or potential disturbances to the identified species, other species and/or the habitat		

12	Based on the pre-conditions in Section 73(3) of SARA, the proponent should specify (addressing a through c is mandatory for SARA species – see instructions)
a)	What alternatives to the proposed method of conducting the activity have you considered? How is the chosen method the best solution to reduce impact to the species?
b)	What mitigation measures have been included, and how do they minimize the potential impacts on listed species and/or habitats? What mitigation measures have been considered and not included, and for what reasons were they rejected?
c)	Will the activities you plan to undertake jeopardize survival or recovery of the species, in light of measures in 12(a) and 12(b) above? If not, why not?
PART IV – SARA RECOVERY PLANNING EVALUATION	
13	Has the proposed project/study been recommended in a SARA Recovery Strategy, Action Plan or Management plan? Please identify section
14	Will the proposed project/study assist in the recovery of the species identified? Please explain

Jenkins, Randy

From: Jenkins, Randy
Sent: Thursday, August 9, 2018 5:54 PM
To: Jackson, Ashley
Subject: FW: Authorization
Attachments: NOAA_SECTION_38_AUTHORIZATION_AUG_9.doc

FYI. . someone might of already sent it,,,, but just in case

From: Davis, Neil
Sent: Thursday, August 9, 2018 5:07 PM
To: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>, Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>
Cc: Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>
Subject: FW: Authorization

Fyi. Licence sent to NOAA

From: Thomson, Andrew
Sent: Thursday, August 9, 2018 1:31 PM
To: Teri Rowles - NOAA Federal [REDACTED]; Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Cc: Lynne Barre - NOAA Federal [REDACTED]; Deborah Fauquier - NOAA Affiliate [REDACTED]; Brad Hanson <[REDACTED]>; Sarah Wilkin <[REDACTED]>; Candice Emmons <[REDACTED]>; Kristin Wilkinson <[REDACTED]>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Greene, Annely <Annely.Greene@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>
Subject: Authorization

Dr. Rowles

Please find attached an

AUTHORIZATION TO DISTURB A MARINE MAMMAL AND TAKE BIOLOGICAL SAMPLES OF A MARINE MAMMAL, PURSUANT TO SECTION 38 OF THE MARINE MAMMAL REGULATIONS, SECTION 52 OF THE FISHERY (GENERAL) REGULATIONS, AND SECTION 74 OF THE SPECIES AT RISK ACT

I would ask that you carefully read the authorization and ensure you understand the conditions and respond via email to that effect

Andrew J L Thomson

Regional Director | Directeur Régionale
 Fisheries Management Branch | Direction de la gestion des pêches

From: Teri Rowles - NOAA Federal [REDACTED]
Sent: Thursday, August 9, 2018 1:10 PM
To: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Cc: Lynne Barre - NOAA Federal [REDACTED], Deborah Fauquier - NOAA Affiliate
 [REDACTED] Brad Hanson <[REDACTED]>; Sarah Wilkin [REDACTED]
 Candice Emmons [REDACTED] Kristin Wilkinson [REDACTED]; Davis, Neil
 <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Greene, Annely
 <Annely.Greene@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>
Subject: Re: SARA license application

Great.

On Aug 9, 2018, at 3:07 PM, Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca> wrote:

Thanks so much Lynne! Really appreciate everyone efforts to get us the information. There should be an email to Teri for her signature in the next hour or so.

Best,
 Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Lynne Barre - NOAA Federal [REDACTED]
Sent: Thursday, August 09, 2018 12:40 PM
To: Cottrell, Paul; Thornton, Sheila; Greene, Annely
Cc: Teri Rowles - NOAA Federal; Deborah Fauquier - NOAA Affiliate; Brad Hanson; Sarah Wilkin; Candice Emmons; Kristin Wilkinson
Subject: SARA license application

Hi Paul,

Attached is the completed SARA license application form along with the application document submitted yesterday. I've also attached documentation of Animal Care Committee compliance for the activities approved under the US NMFS Permit No. 18786-03.

I believe that Brad Hanson has already applied for foreign vessel clearance, but am awaiting confirmation. I can send along a photo of the vessel as soon as I get one from the team.

Please let us know if you need anything else and please provide confirmation that work can proceed in Canadian waters or a copy of the license or as soon as it is available.

Thanks,

Lynne

039, KILLER WHALE

AUTHORIZATION TO DISTURB A MARINE MAMMAL AND TAKE BIOLOGICAL SAMPLES OF A MARINE MAMMAL

PURSUANT TO SECTION 38 OF THE *MARINE MAMMAL REGULATIONS*, SECTION 52 OF THE *FISHERY (GENERAL) REGULATIONS*, AND SECTION 74 OF THE *SPECIES AT RISK ACT*, THIS AUTHORIZATION IS HEREBY GIVEN TO THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TO DISTURB A MARINE MAMMAL AND TAKE BIOLOGICAL SAMPLES OF A MARINE MAMMAL. THE AUTHORIZATION IS VALID ANYWHERE IN CANADIAN FISHERIES WATERS IN THE PACIFIC OCEAN WHERE FISHERIES AND OCEANS CANADA (DFO) ADMINISTERS THE AQUATIC RESOURCES AND OCEAN SPACE.

THE AUTHORIZATION IS VALID ONLY IN ACCORDANCE WITH THE FOLLOWING CONDITIONS SPECIFIED PURSUANT TO SUBSECTION 38(2) OF THE *MARINE MAMMAL REGULATIONS*:

1. THE OPERATIONS AUTHORIZED UNDER THIS AUTHORIZATION WILL INCLUDE THE FOLLOWING:

I) INTERACTING WITH A MARINE MAMMAL INCLUDING KILLER WHALES FOR THE PURPOSES OF;

1. RESPIRATORY SAMPLES WILL BE COLLECTED VIA PETRI DISHES MOUNTED ON THE END OF A CARBON FIBER POLE HELD JUST OVER THE BLOWHOLE. THE VESSEL CLOSELY APPROACHES THE WHALE TO WITHIN THE REACH OF THE POLE (5 METERS OR LESS), PERPENDICULAR TO THE WHALE, AND THE POLE IS LOWERED OVER THE BLOWHOLE TO CATCH THE EXPIRED AIR. RESPIRATORY SAMPLES TAKEN WILL BE ANALYZED FOR POTENTIAL PATHOGENS AND OTHER HEALTH INDICATORS USING CYTOLOGY, CULTURE AND MOLECULAR METHODS.

2. FECAL SAMPLES WILL BE COLLECTED OPPORTUNISTICALLY WHENEVER POSSIBLE WHEN VISUALLY DETECTED FLOATING ON THE WATER. FECAL SAMPLES COLLECTED THIS WAY CAN YIELD ANALYSES OF NUTRITION, HORMONES (E.G., STRESS, REPRODUCTIVE), TOXINS, AND DNA (TO IDENTIFY SUBJECT WHALE AND PREY SPECIES). SMALL FECAL SAMPLES WILL BE COLLECTED ON STERILE GAUZE SEALED IN ZIP LOCKS AND PLACED IMMEDIATELY IN COOL STORAGE. LARGER FECAL SAMPLES WILL BE COLLECTED IN TUBES AND IMMEDIATELY PLACED IN A COOLER.

NOTE: WHILE ALL EFFORTS WILL BE MADE TO COLLECT FECES FROM J-50, IDENTIFICATION OF WHICH ANIMAL DEFECATED IS NOT ALWAYS IMMEDIATELY POSSIBLE IN THE FIELD, AND ANY AVAILABLE SAMPLE WILL BE COLLECTED.

3. MUCUS SAMPLES WILL BE COLLECTED OPPORTUNISTICALLY WHENEVER POSSIBLE WHEN VISUALLY DETECTED FLOATING ON THE WATER. MUCUS SAMPLES CAN YIELD ANALYSES OF HORMONES AND PATHOGENS, AMONG OTHERS. MUCUS SAMPLES WILL BE COLLECTED ON STERILE GAUZE AND PLACED IN COLD STORAGE.

NOTE: WHILE ALL EFFORTS WILL BE MADE TO COLLECT MUCUS FROM J-50, IDENTIFICATION OF WHICH ANIMAL THE MUCUS IS FROM MAY NOT ALWAYS BE IMMEDIATELY POSSIBLE IN THE FIELD, AND ANY AVAILABLE SAMPLE WILL BE COLLECTED.

4. IF SKIN DISCOLORATIONS OR ABNORMALITIES ARE OBSERVED (AS HAS BEEN PREVIOUSLY NOTED CAUDAL TO THE BLOWHOLE AND ON THE FLUKES), SKIN SAMPLES WILL BE OBTAINED THROUGH A ROUGHENED COLLECTOR (DISH SCRUBBIE OR SIMILAR) ON THE END OF A 5 M POLE. THE VESSEL CLOSELY APPROACHES THE WHALE TO WITHIN THE REACH OF THE POLE (5 METERS OR LESS), PERPENDICULAR TO THE WHALE, AND THE POLE IS LOWERED INTO CONTACT WITH

THE DISCOLORED SKIN. SKIN SCRAPE SAMPLES WILL BE ANALYZED TO IDENTIFY POTENTIAL PATHOGENS.

5. VETERINARY HEALTH ASSESSMENT IS CONDUCTED VISUALLY BY A VETERINARIAN, WITH PHOTO AND VIDEO DOCUMENTATION. THIS ASSESSMENT WILL LIKELY BE CONDUCTED SIMULTANEOUSLY WITH THE CLOSE APPROACHES TO COLLECT THE SAMPLES LISTED ABOVE, AND WOULD LIKELY NOT REQUIRE ADDITIONAL APPROACHES. HEALTH ASSESSMENT WILL INCLUDE OBSERVATIONS OF BODY CONDITION AND BEHAVIOR, FROM VARIOUS MARINE VESSELS, DRONE OBSERVATIONS, AND FROM SHORE (WHEN POSSIBLE). PHOTOS (HIGH RESOLUTION) AND VIDEO (1080P AND GREATER RESOLUTION) WILL BE COLLECTED FROM ALL PLATFORMS UTILIZED, AND IMAGES WILL BE USED FOR COMPARISONS AND ONGOING ASSESSMENT. BEHAVIORAL PATTERNS WILL BE MONITORED AS OFTEN AS POSSIBLE THROUGHOUT THE RESPONSE. BEHAVIORAL ETHOGRAMS MAY BE DEVELOPED FOR THIS PURPOSE WITH A DEDICATED OBSERVER COLLECTING THIS DATA FOR FUTURE ANALYSIS. PARAMETERS THAT WILL BE MONITORED AND RECORDED INCLUDE:

- RESPIRATORY RATE (# RESPIRATIONS/5 MINUTES)
- BLOW ODOR
- DEFECATION FREQUENCY
- POSITION AND DISTANCE RELATIVE TO J16 (OR OTHER CLOSELY ASSOCIATED POD MEMBERS)
- FORAGING ACTIVITY; % TIME SPENT LOGGING

6. INITIAL MEDICAL TREATMENT VIA DELIVERY OF ANTIBIOTICS BY INJECTION, EITHER VIA POLE SYRINGE OR REMOTE DELIVERY DART SYSTEM. INJECTIONS WILL BE ADMINISTERED INTO THE EPAXIAL OR OTHER LARGE MUSCLE MASS. NEEDLE LENGTH WILL BE APPROXIMATELY 2". ALL INJECTIONS WILL BE SUPERVISED BY A VETERINARIAN. MEDICATIONS LIST IN ORDER OF PRIORITY (AS ADVISED BY VETERINARY TEAM). THE ANTIBIOTICS ON THIS LIST ARE INTENDED TO ADDRESS THE RANGE OF BACTERIAL INFECTIONS J50 IS SUSCEPTIBLE TO.

- 2000-3000MG CONVENIA, SQ OR IM ONCE (600KG X 5 MG/KG) - ONE DOSE WOULD PROVIDE 7-14 DAYS EFFICACY; OR
- 2000-3000 MG EXCEDE SQ OR IM ONCE (600KG X 5 MG/KG) - ONE DOSE WOULD PROVIDE 5-10 DAYS EFFICACY

*ANTIBIOTIC DRUG CHOICE MAY CHANGE BASED ON DIAGNOSTIC FINDINGS. ANY NEW DRUG CHOICES & DOSAGES WILL BE PROVIDED TO DFO AS NEEDED PRIOR TO USE.

II) APPROACHING A KILLER WHALE WITH A VEHICLE WITHIN A DISTANCE OF LESS THAN 200 METRE DISTANCE;

III) DOCUMENTATION AND PHOTOGRAPHY OF MARINE MAMMALS;

IV) THE COLLECTION OF ANY BIOLOGICAL SAMPLES REQUESTED FROM FISHERIES AND OCEANS CANADA.

1. COLLECTION OF BREATH/BLOW SAMPLE
2. COLLECTION OF FECAL SAMPLE

3. COLLECTION OF OTHER SAMPLES OPPORTUNISTICALLY AVAILABLE (E.G., MUCUS AND SKIN)
4. IF SKIN DISCOLORATION IS NOTED, COLLECTION OF SKIN SCRAPINGS FROM DISCOLORED AREA
5. COMPLETION OF A VISUAL VETERINARY HEALTH ASSESSMENT AND PHOTO/VIDEO DOCUMENTATION
6. PROVIDING ANTIBIOTIC TREATMENT FROM THE NWFSC BOAT VIA POLE SYRINGE OR REMOTE DELIVERY.

ALL SAMPLES WILL BE COLLECTED BY A RESPONSE TEAM ON A SINGLE BOAT (A NOAA VESSEL). THE COMPOSITION OF THE TEAM WILL VARY DEPENDING UPON THE DAY, BUT A COMPLETE LIST OF POTENTIAL PERSONNEL IS LISTED.

2. THE AUTHORIZED PERSONNEL FOR THE ABOVE OPERATIONS SHALL BE AS FOLLOWS:

LEAD DR. TERRI ROWLES,
THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.

RESPONSE TEAM MEMBERS

DR. JOE GAYDOS (SEADOC) HEALTH ASSESSMENT INCLUDING DIAGNOSTICS AND MEDICAL TREATMENT

DR. JIM MCBAIN (SEA WORLD) HEALTH ASSESSMENT INCLUDING DIAGNOSTICS AND MEDICAL TREATMENT

DR. HENDRIK NOLLENS (SEA WORLD) HEALTH ASSESSMENT INCLUDING DIAGNOSTICS AND MEDICAL TREATMENT

DR. MARTIN HAULENA (VANCOUVER AQUARIUM) HEALTH ASSESSMENT INCLUDING DIAGNOSTICS AND MEDICAL TREATMENT

DR. BRAD HANSON (NOAA) SAMPLE COLLECTION AND VESSEL DRIVER

CANDICE EMMONS (NOAA) SAMPLE COLLECTION AND VESSEL DRIVER

JEFF FOSTER (WHALE SANCTUARY PROJECT) SAMPLE COLLECTION AND VESSEL DRIVER

KATY FOSTER (WHALE SANCTUARY PROJECT) SAMPLE COLLECTION AND VESSEL DRIVER

TREVOR FOSTER (RESEARCH TECH) SAMPLE COLLECTION AND VESSEL DRIVER

*A STAFF MEMBER WILL BE IDENTIFIED FOR PHOTO AND/OR VIDEO DOCUMENTATION.

ACTIVITIES CARRIED OUT UNDER THE AUTHORITY OF THIS AUTHORIZATION SHALL ONLY BE CONDUCTED UNDER THE DIRECT SUPERVISION OF THE AUTHORIZATION HOLDER OR AUTHORIZED INDIVIDUALS AS LISTED ABOVE. THE AUTHORIZATION HOLDER IS RESPONSIBLE TO ENSURE THAT AN AUTHORIZED INDIVIDUAL IS PRESENT DURING ANY ACTIVITY AUTHORIZED UNDER THIS AUTHORIZATION.

3. THE RESPONSE ACTIVITY SHALL TAKE PLACE IN THE WATERS OF THE PACIFIC REGION THAT ARE PARTS OF AREAS UNDER THE ADMINISTRATION OF DFO;
4. THE FOLLOWING DFO REGIONAL STAFF SHALL BE ADVISED IMMEDIATELY ON COMMENCEMENT OF ANY OPERATIONS: PACIFIC REGION: PAUL COTTRELL (604) 240-3841
5. AN INCIDENT REPORT SHALL BE MADE DETAILING SPECIES IDENTIFICATION, EFFORTS MADE TO SAVE THE ANIMAL, CONDITION OF THE ANIMAL AT THE COMMENCEMENT AND AT THE END OF THE OPERATION, LOCATION (COORDINATES) OF THE OPERATION, NAMES OF ALL INVOLVED IN THE OPERATION, ANY OTHER OBSERVATIONS RELEVANT TO INCIDENT;
6. A QUARTERLEY REPORT INCLUDING LOCATIONS, SPECIES, NUMBERS AND OBSERVATIONS SHALL BE PROVIDED TO DFO PACIFIC REGION REGIONAL COORDINATOR:
PAUL COTTRELL, PAUL.COTTRELL@DFO-MPO.GC.CA
7. THAT A COPY OF THIS AUTHORIZATION SHALL BE CARRIED BY ALL PERSONNEL ENGAGED IN THE RESPONSE OPERATIONS. GOVERNMENT ISSUED IDENTIFICATION DOCUMENTS ARE REQUIRED FOR ANYONE ACTING UNDER THE AUTHORITY OF THIS AUTHORIZATION. THE AUTHORIZATION AND ANY PERSON WORKING UNDER ITS AUTHORITY MUST BE AVAILABLE FOR INSPECTION UPON REQUEST BY A FISHERY OFFICER OR FISHERY GUARDIAN;
8. THE AUTHORIZATION HOLDER MUST HAVE APPROPRIATE, CURRENT LIABILITY INSURANCE AND/OR APPROPRIATE, CURRENT WORKERS COMPENSATION COVERAGE IN PLACE THAT COVERS ACTIVITIES UNDERTAKEN IN ALL PROVINCES COVERED BY THIS AUTHORIZATION THROUGHOUT THE DURATION OF THE CONTRACT. COPIES OF THIS DOCUMENTATION MUST BE PROVIDED TO THE DFO IN ADVANCE OF COMMENCEMENT OF THE AUTHORIZED ACTIVITIES.
9. THE AUTHORIZATION HOLDER AGREES THAT IT IS FULLY LIABLE FOR ANY DAMAGES THAT IT CAUSES TO ANY THIRD PARTY IN CONNECTION WITH ACTIVITIES AUTHORIZED BY THE AUTHORIZATION, REGARDLESS OF WHETHER THE THIRD PARTY MAKES ITS CLAIM AGAINST CANADA OR THE AUTHORIZATION HOLDER. IF CANADA IS REQUIRED, AS A RESULT OF JOINT AND SEVERAL LIABILITY, TO PAY A THIRD PARTY IN RESPECT OF DAMAGES CAUSED BY THE AUTHORIZATION HOLDER, THE AUTHORIZATION HOLDER MUST REIMBURSE CANADA FOR THAT AMOUNT.
10. IF ACTIVITIES AUTHORIZED BY THIS AUTHORIZATION ARE CONDUCTED WHILE ON A DFO VESSEL, THE AUTHORIZATION HOLDER WILL ENSURE THAT PERSONS ENGAGED IN THIS ACTIVITY WEAR APPROPRIATE SAFETY EQUIPMENT DURING THE ENTIRE LENGTH OF THE ACTIVITY. SAFETY EQUIPMENT INCLUDES, BUT MAY NOT BE LIMITED TO, PERSONAL PROTECTION EQUIPMENT THAT MEETS CANADIAN SAFETY STANDARDS.
11. THIS AUTHORIZATION AND CONDITIONS CANCEL AND REPLACE ANY PREVIOUS AUTHORIZATION AND CONDITION ISSUED TO THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION FOR THE PURPOSE OF CONDUCTING RESPONSE OPERATIONS;
13. THIS AUTHORIZATION IS VALID FROM DATE OF ISSUANCE TO OCTOBER 31, 2018;
14. THE ISSUANCE OF THIS AUTHORIZATION IMPLIES NO COMMITMENT BY THE MINISTER OR THE DEPARTMENT TO REISSUE THE AUTHORIZATION.

Patrick, Lindsey

From: Burns, Adam
Sent: August-09-18 4:47 PM
To: Lapointe, Sylvie
Subject: Fw: MECTS-#3949687-v1-IN-Southern_Resident_Killer_Whale_Update (004).docx
Attachments: MECTS-#3949687-v1-IN-Southern_Resident_Killer_Whale_Update (004).docx

Updated version of the reference doc we provided this morning for min brief. We'll continue to keep this up to date.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 4:40 PM
To: Burns, Adam; Jenkins, Randy; Gilchrist, Brett; Moore, Kendra
Subject: MECTS-#3949687-v1-IN-Southern_Resident_Killer_Whale_Update (004).docx

Adam,

Here is the note requested for current status. Recent news on the issuance of the authorization has been included.

Paul

Southern Resident Killer Whale Update

Issue: The rapidly deteriorating health condition of Southern Resident Killer Whale (SRKW) J50 of SRKW J-pod has prompted the U.S. National Oceanic and Atmospheric Administration (NOAA) to propose an emergency action plan to treat her. Fisheries and Oceans Canada (DFO) is working with NOAA and other scientific partners to locate J50, last seen Wednesday August 8th, for treatment efforts. Additionally, J35 was seen yesterday on Wednesday August 8th travelling with her dead calf.

Update:

- NOAA held their daily media briefing at 10 am PDT to update on J50 and J35. DFO was represented in the briefing by Andrew Thomson (DFO Resource Management), Sheila Thornton (DFO Science) and Paul Cottrell (DFO Marine Mammal Unit). The following items were discussed:
 - DFO and NOAA vessels are continuing to survey Southern Vancouver Island in search of J pod in bad weather conditions. Conditions are forecasted to be poor into Saturday.
 - For the last 9 weeks DFO has had two boats, (7 on board those boats), C&P and operational, on the water. August is a traditional foggy month and crews typically come off the water because of conditions.
 - J50 was last seen with her mother J16 and J35 was sighted travelling with her dead calf by DFO, despite foggy weather conditions, on Wednesday August 8, 2018 in Canadian waters traversing to U.S waters.
 - J35 has been travelling with her dead calf since it's death on July 24, 2018, an unprecedented duration for carrying a calf's carcass.
 - At this time, removing the calf is not being considered, due to the interests of human and animal safety. At this point a permit for J35 is not being considered but would follow a similar permit process to the one for J50.
 - To date, J50 has only been characterized as being in a state of malnutrition, as infection or disease has not been confirmed from earlier sampling efforts. The data gathered by NOAA states that her condition has deteriorated.
 - The antibiotic that is being proposed by NOAA is a general prophylactic that could help with a broad spectrum of health issues, which is recommended from past sightings.
- NOAA has submitted their application for a permit to implement: sampling of J50, including breath, fecal, mucus and skin; visual veterinary health assessment, and provide antibiotic treatment via pole syringe or remote delivery
- On August 9 Pacific Region issued an authorization to disturb marine mammals pursuant to section 38 of the MMR, in addition to provisions under section 52 of the FGR and section 74 of SARA to NOAA

Background:

- Southern Resident killer whales are an endangered, specialized population of killer whales that now number 75, the lowest in decades. Female whales are especially valuable to the population given their reproductive potential.
- Given the limited number of females in such a small population (75 individuals), it would be a significant blow to the population to lose this individual.

Moore, Kendra

From: Gilchrist, Brett
Sent: Thursday, August 9, 2018 12:53 PM
To: Cottrell, Paul
Cc: Moore, Kendra
Subject: FW: Action Plan for J50
Attachments: MECTS-#3950132-v1-MECTS-#3950123-v1-MECTS-#3949785-v1-NOAA_SECTION_38_AUTHORIZATION_AUG_9_ho_comments DOC, MECTS-#3950156-v1-J50-Memo-RD_e DOCX

Importance: High

As per the email below, please use the attached products. The authorization to be tweaked as discussed in yellow text, and the memo so that we have a signature from Andy for the authorization.

Let me know if you have any questions.

On a personal note well done on all the hard work on this.

Brett

From: Gilchrist, Brett
Sent: August-09-18 12:16 PM
To: Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy; Davis, Neil; Thomson, Andrew; Olson, Heather (DOJ) (heather.olson@justice.gc.ca); Burns, Adam
Subject: RE: Action Plan for J50
Importance: High

Sorry, folks, please use this document attached noting we need to fill in the timelines for the issuance as well, as highlighted. [REDACTED]

The memo is attached for your use if you need it as well.

Brett

From: Gilchrist, Brett
Sent: August-09-18 11:59 AM
To: Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy; Davis, Neil; Thomson, Andrew; Olson, Heather (DOJ) (heather.olson@justice.gc.ca); Burns, Adam
Subject: RE: Action Plan for J50

[REDACTED]

Let me know if you have any questions.

s.21(1)(a)

s.21(1)(b)

Brett
613-993-2055

s.23

From: Cottrell, Paul
Sent: August-09-18 11:33 AM
To: Gilchrist, Brett; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy; Davis, Neil; Thomson, Andrew
Subject: RE: Action Plan for J50

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Gilchrist, Brett
Sent: Thursday, August 09, 2018 8:29 AM
To: Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Brett

From: Cottrell, Paul
Sent: August-09-18 11:24 AM
To: Moore, Kendra; Harber, Lee
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

s.21(1)(a)

s.21(1)(b)

Thanks,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Moore, Kendra
Sent: Thursday, August 09, 2018 8:17 AM
To: Harber, Lee; Cottrell, Paul
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Hi Lee,

We will be using a section 38 authorization under the Marine Mammal Regulations, not a permit under SARA. We have drafted an authorization template for your region's review and will be sending it shortly. Based on Science's evaluation of NOAA's application, the approved activities must be included within the section 38 authorization

Kendra

From: Harber, Lee
Sent: August-09-18 11:03 AM
To: Cottrell, Paul; Moore, Kendra
Subject: Fw: Action Plan for J50

FYI - science to complete application form and evaluate request.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 7:17 AM
To: Harber, Lee
Subject: FW: Action Plan for J50

From: Cottrell, Paul
Sent: Thursday, August 09, 2018 6:24 AM
To: Teri Rowles - NOAA Federal
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson; Davis, Neil; Thomson, Andrew; Lowe, Carmel; Thornton, Sheila; Greene, Annely
Subject: RE: Action Plan for J50

Hi Teri,
Thank-you so much. Our DFO science folks will evaluate the proposal and resource management will work to draft a licence in anticipation of approval. I have attached a licence application which will need to be completed. Please complete asap so we can draft licence.
Thanks again,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal [REDACTED]
Sent: Wednesday, August 08, 2018 4:41 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Pages 194 to / à 195

are duplicates

sont des duplicatas

**Pages 196 to / à 197
are duplicates of
sont des duplicatas des
pages 201 to / à 202**

Moore, Kendra

From: Moore, Kendra
Sent: Thursday, August 9, 2018 11 21 AM
To: Gilchrist, Brett
Subject: NOAA section 38 material
Attachments: MECTS-#3949785-v1-NOAA_SECTION_38_AUTHORIZATION_AUG_9 doc; J50-Memo-RD_e docx, J50-Transmittal-Slip_e.docx

Hi Brett,

The necessary material is attached

Kendra

039, KILLER WHALE

AUTHORIZATION TO DISTURB A MARINE MAMMAL

PURSUANT TO SECTION 38 OF THE *MARINE MAMMAL REGULATIONS*, THIS AUTHORIZATION IS HEREBY GIVEN TO THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TO DISTURB A MARINE MAMMAL. THE AUTHORIZATION IS VALID ANYWHERE IN CANADIAN WATERS IN THE PACIFIC OCEAN WHERE FISHERIES AND OCEANS CANADA (DFO) ADMINISTERS THE AQUATIC RESOURCES AND OCEAN SPACE.

THE AUTHORIZATION IS VALID ONLY IN ACCORDANCE WITH THE FOLLOWING CONDITIONS SPECIFIED PURSUANT TO SUBSECTION 38(2) OF THE *MARINE MAMMAL REGULATIONS*:

1. THE OPERATIONS AUTHORIZED UNDER THIS AUTHORIZATION WILL INCLUDE THE FOLLOWING:

- I) INTERACTING WITH A MARINE MAMMAL INCLUDING KILLER WHALES FOR THE PURPOSES OF [specific description of the activity being authorized should be provided];
- II) APPROACHING A WHALE, DOLPHIN OR PORPOISE WITH A VEHICLE WITHIN A DISTANCE OF LESS THAN 100 METRE DISTANCE;
- III) DOCUMENTATION AND PHOTOGRAPHY OF MARINE MAMMALS;
- IV) THE COLLECTION OF ANY BIOLOGICAL SAMPLES REQUESTED FROM FISHERIES AND OCEANS CANADA.

2. THE AUTHORIZED PERSONNEL FOR THE ABOVE OPERATIONS SHALL BE AS FOLLOWS:
DR. TERRI ROWLES, THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.
NAME OF INDIVIDUAL(S), NAME OF ORGANIZATION

ACTIVITIES CARRIED OUT UNDER THE AUTHORITY OF THIS AUTHORIZATION SHALL ONLY BE CONDUCTED UNDER THE DIRECT SUPERVISION OF THE AUTHORIZATION HOLDER OR AUTHORIZED INDIVIDUALS AS LISTED ABOVE. THE AUTHORIZATION HOLDER IS RESPONSIBLE TO ENSURE THAT AN AUTHORIZED INDIVIDUAL IS PRESENT DURING ANY ACTIVITY AUTHORIZED UNDER THIS AUTHORIZATION.

3. THE RESPONSE ACTIVITY SHALL TAKE PLACE IN THE WATERS OF THE PACIFIC REGION THAT ARE PARTS OF AREAS UNDER THE ADMINISTRATION OF DFO;

4. THE FOLLOWING DFO REGIONAL STAFF SHALL BE ADVISED IMMEDIATELY ON COMMENCEMENT OF ANY OPERATIONS:
PACIFIC REGION: PAUL COTTRELL (604) 240-3841

5. AN INCIDENT REPORT SHALL BE MADE DETAILING SPECIES IDENTIFICATION, EFFORTS MADE TO SAVE THE ANIMAL, CONDITION OF THE ANIMAL AT THE COMMENCEMENT AND AT THE END OF THE OPERATION, LOCATION (COORDINATES) OF THE OPERATION, NAMES OF ALL INVOLVED IN THE OPERATION, ANY OTHER OBSERVATIONS RELEVANT TO INCIDENT;

6. A QUARTERLEY REPORT INCLUDING LOCATIONS, SPECIES, NUMBERS AND OBSERVATIONS SHALL BE PROVIDED TO DFO PACIFIC REGION REGIONAL COORDINATOR:
PAUL COTTRELL, PAUL.COTTRELL@DFO-MPO.GC.CA

7. THAT A COPY OF THIS AUTHORIZATION SHALL BE CARRIED BY ALL PERSONNEL ENGAGED IN THE RESPONSE OPERATIONS. GOVERNMENT ISSUED IDENTIFICATION DOCUMENTS ARE REQUIRED FOR ANYONE ACTING UNDER THE AUTHORITY OF THIS AUTHORIZATION. THE AUTHORIZATION AND ANY PERSON WORKING UNDER ITS AUTHORITY

MUST BE AVAILABLE FOR INSPECTION UPON REQUEST BY A FISHERY OFFICER OR FISHERY GUARDIAN;

8. THE AUTHORIZATION HOLDER MUST HAVE APPROPRIATE, CURRENT LIABILITY INSURANCE AND/OR APPROPRIATE, CURRENT WORKERS COMPENSATION COVERAGE IN PLACE THAT COVERS ACTIVITIES UNDERTAKEN IN ALL PROVINCES COVERED BY THIS AUTHORIZATION THROUGHOUT THE DURATION OF THE CONTRACT. COPIES OF THIS DOCUMENTATION MUST BE PROVIDED TO THE DFO IN ADVANCE OF COMMENCEMENT OF THE AUTHORIZED ACTIVITIES.

9. THE AUTHORIZATION HOLDER AGREES THAT IT IS FULLY LIABLE FOR ANY DAMAGES THAT IT CAUSES TO ANY THIRD PARTY IN CONNECTION WITH ACTIVITIES AUTHORIZED BY THE AUTHORIZATION, REGARDLESS OF WHETHER THE THIRD PARTY MAKES ITS CLAIM AGAINST CANADA OR THE AUTHORIZATION HOLDER. IF CANADA IS REQUIRED, AS A RESULT OF JOINT AND SEVERAL LIABILITY, TO PAY A THIRD PARTY IN RESPECT OF DAMAGES CAUSED BY THE AUTHORIZATION HOLDER, THE AUTHORIZATION HOLDER MUST REIMBURSE CANADA FOR THAT AMOUNT.

10. IF ACTIVITIES AUTHORIZED BY THIS AUTHORIZATION ARE CONDUCTED WHILE ON A DFO VESSEL, THE AUTHORIZATION HOLDER WILL ENSURE THAT PERSONS ENGAGED IN THE MARINE MAMMAL RESPONSE ACTIVITY WEAR APPROPRIATE SAFETY EQUIPMENT DURING THE ENTIRE LENGTH OF THE ACTIVITY. SAFETY EQUIPMENT INCLUDES, BUT MAY NOT BE LIMITED TO, PERSONAL PROTECTION EQUIPMENT THAT MEETS CANADIAN SAFETY STANDARDS.

11. THIS AUTHORIZATION AND CONDITIONS CANCEL AND REPLACE ANY PREVIOUS AUTHORIZATION AND CONDITION ISSUED TO THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION FOR THE PURPOSE OF CONDUCTING RESPONSE OPERATIONS;

13. THIS AUTHORIZATION IS VALID FROM DATE OF ISSUANCE TO AUGUST 9, 2018;

14. THE ISSUANCE OF THIS AUTHORIZATION IMPLIES NO COMMITMENT BY THE MINISTER OR THE DEPARTMENT TO REISSUE THE AUTHORIZATION IN SUBSEQUENT YEARS.

NOTE: NOTHING IN THIS AUTHORIZATION SHALL BE CONSTRUED AS AUTHORITY UNDER THE *SPECIES AT RISK ACT* (SARA) TO KILL, HARM, HARASS, CAPTURE OR TAKE AN INDIVIDUAL OF A WILDLIFE SPECIES THAT IS LISTED AS "EXTIRPATED", "ENDANGERED" OR "THREATENED" AS IDENTIFIED IN SCHEDULE 1 OF SARA. IF THE ACTIVITY AUTHORIZED IN THIS AUTHORIZATION IS EXPECTED TO INTERACT WITH AN "EXTIRPATED", "ENDANGERED" OR "THREATENED" SPECIES, AN APPLICATION FOR A SECTION 73 SARA PERMIT CAN BE FOUND AT WWW.SARAREGISTRY.GC.CA AND SUBMITTED TO THE DFO SPECIES AT RISK MANAGEMENT DIVISION AT _____@DFO-MPO GC.CA. FOR MORE INFORMATION ON SARA, INCLUDING A LIST OF PROTECTED SPECIES, PHONE _____, VISIT WWW.SARAREGISTRY.GC.CA, OR CONTACT DFO SPECIES AT RISK MANAGEMENT DIVISION AT _____@DFO-MPO.GC.CA OR _____.



UNCLASSIFIED

EKME #: 3949785

MEMORANDUM FOR THE REGIONAL DIRECTOR
RESOURCE MANAGEMENT

**ISSUANCE OF AN AUTHORIZATION TO DISTURB MARINE MAMMALS TO THE
US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**

(FOR DECISION)

SUMMARY OF ADVICE TO MINISTER

This memo seeks your approval for the issuance of an authorization to disturb marine mammals to the US National Oceanic and Atmospheric Administration (NOAA) for the purpose of conducting a response to the emaciated Southern Resident Killer Whale J50 in areas of the Pacific Ocean where Fisheries and Oceans Canada (DFO) administers the aquatic resources and oceans spaces. The authorization is requested pursuant to section 38 of the *Marine Mammal Regulations* (MMR), section 52 of the *Fisheries (General) Regulations* (FGR) and section 74 of the *Species at Risk Act* (SARA).

NOAA has submitted a proposal to implement an emergency action plan that treats the condition of J50, including _____. Following discussions with DFO officials, it was determined that a single section 38 authorization acting also as a SARA permit and FGR permit valid in Pacific Region be issued to NOAA.

DFO staff, including Resource Management, Science, legal and Species at Risk Program Management within National Headquarters and Regional Resource Management and _____ were consulted on the development of the authorization conditions. They have reviewed the conditions and provided their approval for the issuance of a single section 38 authorization.

SCIENCE ADVICE

This section is where the Department presents its science advice based on the evaluation of NOAA's proposal. It is mandatory for fisheries and resource management decisions, as well as notes which include important science considerations (e.g., external reports with science-related recommendations, etc.).

RECOMMENDATION AND NEXT STEPS

It is recommended that you authorize the issuance of the authorization to disturb marine mammals pursuant to section 38 of the MMR, section 52 of the FGR and section 74 of SARA to NOAA for the purposes of conducting response operations for J50's condition. With your concurrence, the attached authorization (TAB 1) will be issued by Pacific Region to NOAA. This authorization will be valid from the date of issuance to December 31, 2018.

Lee Harber
Marine Mammal Advisor
Resource Management

(Signature block below is for decision only) (Please remove before printing)

- ☐ I concur with the recommendations
- ☐ I do not concur with the recommendations

Andrew Thomson
Regional Director
Resource Management

Attachment(s): (#) *(if applicable)*

TAB 1 – Template of the authorization to be issued to NOAA (EKME #
3949785)



CLASSIFICATION
GCCMS #: 20##-###-#####
EKME #: #####

To: Catherine Blewett Date
Pour:

Object. TITLE
Objet: TITRE

From / Name of DG, Title
De:

Via: Name of S/ADM, Title

Additional approvals:
Autre(s) approbation(s).

☐

Material for the Minister
Documents pour le Ministre

☐

Your Signature
Votre signature

☐

Information

Remarks: This briefing note was developed in consultation with the following
Remarques: regions/sectors: [please list who was consulted internally]

Distribution: *Please indicate name of people to receive a copy and if prior or following the DM approval. (Remove if no Distribution is required)*

Drafting Officer/
Rédacteur:

NAME (TEL #)/ Director / admin initials



UNCLASSIFIED
EKME #: 3949785

To: Andrew Thomson, RG –RM
Pour:

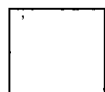
Date: August 9, 2018

Object: **ISSUANCE OF AN AUTHORIZATION TO DISTURB MARINE MAMMALS**
Objet: **TO THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION**
FOR THE PURPOSES OF TREATING AN EMACIATED SOUTHERN
RESIDENT KILLER WHALE J50

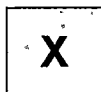
From / De: Lee Harber, Marine Mammal Advisor, Resource Management

Via Neil Davis, Director, Resource Management

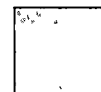
Additional approvals
Autre(s) approbation(s).



Material for the Minister
Documents pour le Ministre



Your Signature
Votre signature



Information

Remarks:

Remarques:

Distribution. *Please indicate name of people to receive a copy and if prior or following the DM approval.*

Adam Burns, DG – Resource Management

Nick Winfield, DG – Ecosystem Management

Drafting Officer/
Rédacteur

NAME (TEL #)/ Director / admin initials

Moore, Kendra


From: Harber, Lee
Sent: Thursday, August 9, 2018 11 01 AM
To: Scott, Paul G, Moore, Kendra
Subject: Fw

FYI

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 6:56 AM
To: Davis, Neil; Thomson, Andrew
Cc: Harber, Lee
Subject:

Hi Guys,
Wanted to update you on the licencing of NOAA/partners to conduct research in Canada on SRKW (J50). We received a project proposal from NOAA last night. I have sent NOAA our marine mammal SARA research application form which they will need to fill in so we can draft the licence (this form is part of the SARA licence Science/RM review/approval process). I have sent the NOAA proposal to you guys and science. Hoping we can work through this with science fast to get their approval.



Cheers,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

Moore, Kendra

From: Harber, Lee
Sent: Thursday, August 9, 2018 11 00 AM
To: Scott, Paul G, Moore, Kendra
Subject: Fw Action Plan for J50
Attachments: DFO_Application J50 docx

FYI

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Wednesday, August 8, 2018 10:19 PM
To: Davis, Neil; Thomson, Andrew
Cc: Harber, Lee
Subject: Fw: Action Plan for J50

Hi Guys,

Request from NOAA. We have a SARA/section 52 application on-line which proponents usually fill out. I am sending them a link.

Cheers,

Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Teri Rowles - NOAA Federal <[REDACTED]>
Sent: Wednesday, August 8, 2018 4:41 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

**Pages 207 to / à 209
are duplicates of
sont des duplicatas des
pages 168 to / à 170**

Moore, Kendra

From: Moore, Kendra
Sent: Thursday, August 9, 2018 8 32 AM
To: Gilchrist, Brett, McRory, Jody, Watkins, Carrie, Jenkins, Randy
Subject: S. 38 authorization
Attachments: Authorization to disturb a marine mammal application form docx, MECTS-#3937356-v1-38_Licence_MMRs-Template_v2.doc, MECTS-#3949750-v1-MECTS-#3934499-v1-MM_Disturbance_licence_application docx

Good morning,

Attached is the package for Pacific for the section 38 authorization under the MMRs for NOAA. These documents have been edited by Heather.

Randy, below is the paragraph requested for Lee.

As per the amendments to the *Marine Mammal Regulations*, NOAA will require a section 38 authorization to conduct the options of their emergency action plan for SRKW J50. Attached is the application instructions, application form and a template for the section 38 licence for your licencing department. As NOAA is preparing an application to implement their emergency action plan, it would be ideal to ensure their application aligns with the documents attached.

Thanks,

Kendra



APPLICATION FOR AUTHORIZATION TO DISTURB A MARINE MAMMAL

PART I: ACTIVITY INFORMATION

1 PERSONNEL

Name of Lead Applicant/Project Leader

Organization

Address

City:

Prov/State

Postal/ZIP Code

Phone:

Cellular:

Fax:

Experience/Credentials

Please provide relevant supporting documentation

Have you ever been issued an authorization to disturb a marine mammal? (Please circle) Yes No
If yes, please provide copies

Will the activity be completed with assistants? (Please circle) Yes No
If yes, please provide names below (attach list if necessary), describe qualifications that demonstrate the ability of the assistant to carry out the proposed activity and provide proof of qualifications (where relevant)

Name of Assistant

Name of Assistant

Name of Assistant

Name of Assistant

Name of Assistant

Name of Assistant

Will assistants be working independently? (Please circle) Yes No

2 DATES AND LOCATION

Project Period From:

To

Name of Location:

Have you provided a map? (Please circle) Yes No

3. SPECIES INFORMATION

Species targeted for disturbance that ARE listed on Schedule 1 of the *Species at Risk Act* (Common name)

Species targeted for disturbance that are NOT Species at Risk. (Common name)

Suggest adding a requirement to also identify non-targeted marine mammal species that may be found in the area where the proposed activity will take place and indicate which ones, if any, are listed on Schedule 1 of SARA

Would you like a SARA permit combined with the authorization to disturb a marine mammal? (Please circle) Yes No

4. VESSEL, VEHICLE AND/OR AIRCRAFT INFORMATION

Vessel name and CFV/Registration.

Vehicle make/model/licence number:

Aircraft make/model/licence number

Have you provided a recent electronic picture of the vessel/vehicle/aircraft (jpeg or bmp format)? (Please circle) Yes No

PART II: IMPACT ASSESSMENT

5 OBJECTIVE AND METHODOLOGY



APPLICATION FOR AUTHORIZATION TO DISTURB A MARINE MAMMAL

Activity Objective

Have you provided the activity plan/proposal? (Please circle) Yes No

6 CATEGORY OF DISTURBANCE

Describe the nature of disturbance:

Identify the criteria in subsection 38(1) of the *Marine Mammal Regulations* that apply to the proposed activity:

A Describe in detail how the desired outcome of the proposed activity will be accomplished

B If the proposed activity is for the purpose of easing the pain and suffering of a marine mammal, will it result in the immediate death of a marine mammal?
(Please circle) Yes No

- a) If yes, describe the euthanasia method (Provide a detailed document)
- b) If no, describe the method for easing pain and suffering. (Provide a detailed document)

C If the proposed activity falls within s 38(1)(f), answer the following in a detailed document

- a) Explain filming techniques, be specific
- b) What type of audio-visual or other equipment will be used?
- c) Will you employ marine mammal observers?
- d) At what time of the day will filming occur?
- e) Will audio-visual or other equipment be left behind in the environment? Explain rationale
- f) How close do you plan on getting to the marine mammal species?

7 ALTERNATIVES



APPLICATION FOR AUTHORIZATION TO DISTURB A MARINE MAMMAL

Explain what alternatives to the proposed activity you have considered to reduce the impact on the species while achieving the desired results? How did you determine that the chosen method is the best solution?

8 MITIGATION MEASURES

What mitigation measures are planned, and how do they minimize the potential impacts on the target species and species found in the area (individually and collectively)? What standards or best practices will be followed for mitigation purposes? Will you deviate from existing standards or best practices? If so, explain how and why



APPLICATION FOR AUTHORIZATION TO DISTURB A MARINE MAMMAL

Explain the diagnostic assessment or physical evaluation that will be carried out in respect of the marine mammal(s) before, during and after the disturbance

9. CONSERVATION AND PROTECTION

Will the proposed activity contribute to the conservation and protection of marine mammals? Please explain

OTHER ASSETS OR SOURCES OF INCOME

I verify that the information provided for this application is true and valid

Signature of lead applicant/project leader

Date

Signature of DFO receiving officer

Date

Species Code, Species

AUTHORIZATION TO DISTURB A MARINE MAMMAL

PURSUANT TO SECTION 38 OF THE *MARINE MAMMAL REGULATIONS*, THIS AUTHORIZATION IS HEREBY GIVEN TO _____ TO DISTURB A MARINE MAMMAL THE AUTHORIZATION IS VALID ANYWHERE IN _____ REGION WHERE FISHERIES AND OCEANS CANADA (DFO) ADMINISTERS THE AQUATIC RESOURCES AND OCEAN SPACE

THE AUTHORIZATION IS VALID ONLY IN ACCORDANCE WITH THE FOLLOWING CONDITIONS SPECIFIED PURSUANT TO SUBSECTION 38(2) OF THE *MARINE MAMMAL REGULATIONS*

1 THE OPERATIONS AUTHORIZED UNDER THIS AUTHORIZATION WILL INCLUDE THE FOLLOWING [Note that these are examples and a specific description of the activity being authorized should be provided]

- I) INTERACTING OR MOVING A MARINE MAMMAL INCLUDING WHALES, DOLPHINS, PORPOISES, SEALS, SEA LIONS, WALRUS AND SEA OTTERS FOR THE PURPOSES OF DISENTANGLEMENT, STRANDINGS, ENTRAPMENT, NECROPSY, INJURY OR HEALTH ASSESSMENT,
- II) TAGGING OR MARKING A MARINE MAMMAL,
- III) APPROACHING A WHALE, DOLPHIN OR PORPOISE WITH A VEHICLE WITHIN A DISTANCE OF LESS THAN 100 METRE DISTANCE,
- II) DOCUMENTATION AND PHOTOGRAPHY OF MARINE MAMMALS,
- III) THE COLLECTION OF ANY BIOLOGICAL SAMPLES REQUESTED FROM FISHERIES AND OCEANS CANADA

2 THE AUTHORIZED PERSONNEL FOR THE ABOVE OPERATIONS SHALL BE AS FOLLOWS
NAME OF INDIVIDUAL, NAME OF ORGANIZATION

ACTIVITIES CARRIED OUT UNDER THE AUTHORITY OF THIS AUTHORIZATION SHALL ONLY BE CONDUCTED UNDER THE DIRECT SUPERVISION OF THE AUTHORIZATION HOLDER OR AUTHORIZED INDIVIDUALS AS LISTED ABOVE THE AUTHORIZATION HOLDER IS RESPONSIBLE TO ENSURE THAT AN AUTHORIZED INDIVIDUAL IS PRESENT DURING ANY ACTIVITY AUTHORIZED UNDER THIS AUTHORIZATION

3 [Note this applies to disentanglements and a similar provision should be included for other types of activities, as appropriate] THE DISENTANGLEMENTS SHALL TAKE PLACE IN THE WATERS OF THE _____ REGION THAT ARE PARTS OF AREAS UNDER THE ADMINISTRATION OF DFO,

4 THE FOLLOWING DFO REGIONAL STAFF SHALL BE ADVISED IMMEDIATELY ON COMMENCEMENT OF ANY OPERATIONS [Note that these names may vary depending on the activity being authorized]
GULF REGION ISABELLE ELLIOTT (506)-378-0845
MARITIMES REGION STACEY BIEREN (902)-426-5952, AND JACINTA BERTHIER (902)-240-3967,
NL REGION JACKIE KEAN (709) 772-2045
PACIFIC REGION PAUL COTTRELL (604) 240-3841
QUEBEC REGION ANTOINE RIVIERRE (418)-640-2636

5 AN INCIDENT REPORT SHALL BE MADE DETAILING SPECIES IDENTIFICATION, EFFORTS MADE TO SAVE THE ANIMAL, CONDITION OF THE ANIMAL AT THE COMMENCEMENT AND AT THE END OF THE OPERATION, LOCATION (COORDINATES) OF THE OPERATION, NAMES OF ALL INVOLVED IN THE OPERATION, ANY OTHER OBSERVATIONS RELEVANT TO INCIDENT,

6. A QUARTERLEY REPORT INCLUDING LOCATIONS, SPECIES, NUMBERS AND OBSERVATIONS SHALL BE PROVIDED TO THE POPULATION ECOLOGY DIVISION, BEDFORD INSTITUTE OF OCEANOGRAPHY, P O BOX 1006, DARTMOUTH, NS, B2Y 4A2, [Note that this paragraph and the names listed below may need to be modified depending on the activity being authorized]

DFO MARSLRM RLSCMAR MPO@DFO-MPO GC.CA OR PACIFIC REGION MAILING ADDRESS, AND TO THE FOLLOWING DFO REGIONAL COORDINATORS:

PAUL COTTRELL, PAUL COTTRELL@DFO-MPO.GC.CA
ISABELLE ELLIOTT, ISABELLE.ELLIOTT@DFO-MPO GC.CA
JACKIE KEAN, JACKIE KEAN@DFO-MPO GC.CA
ANTOINE RIVIERRE, ANTOINE RIVIERRE@DFO-MPO GC.CA
STACEY BIEREN, STACERY BIEREN@DFO-MPO GC.CA,

7 THAT A COPY OF THIS AUTHORIZATION SHALL BE CARRIED BY ALL PERSONNEL ENGAGED IN THE DISTURBANCE OPERATIONS. GOVERNMENT ISSUED IDENTIFICATION DOCUMENTS ARE REQUIRED FOR ANYONE ACTING UNDER THE AUTHORITY OF THIS AUTHORIZATION. THE AUTHORIZATION AND ANY PERSON WORKING UNDER ITS AUTHORITY MUST BE AVAILABLE FOR INSPECTION UPON REQUEST BY A FISHERY OFFICER OR FISHERY GUARDIAN,

8 THE AUTHORIZATION HOLDER MUST HAVE APPROPRIATE, CURRENT LIABILITY INSURANCE AND/OR APPROPRIATE, CURRENT WORKERS COMPENSATION COVERAGE IN PLACE THAT COVERS ACTIVITIES UNDERTAKEN IN ALL PROVINCES COVERED BY THIS AUTHORIZATION THROUGHOUT THE DURATION OF THE CONTRACT. COPIES OF THIS DOCUMENTATION MUST BE PROVIDED TO THE DFO IN ADVANCE OF COMMENCEMENT OF THE AUTHORIZED ACTIVITIES

9 THE AUTHORIZATION HOLDER AGREES THAT IT IS FULLY LIABLE FOR ANY DAMAGES THAT IT CAUSES TO ANY THIRD PARTY IN CONNECTION WITH ACTIVITIES AUTHORIZED BY THE AUTHORIZATION, REGARDLESS OF WHETHER THE THIRD PARTY MAKES ITS CLAIM AGAINST CANADA OR THE AUTHORIZATION HOLDER IF CANADA IS REQUIRED, AS A RESULT OF JOINT AND SEVERAL LIABILITY, TO PAY A THIRD PARTY IN RESPECT OF DAMAGES CAUSED BY THE AUTHORIZATION HOLDER, THE AUTHORIZATION HOLDER MUST REIMBURSE CANADA FOR THAT AMOUNT

10. THE AUTHORIZATION HOLDER IS REQUIRED TO ADHERE TO THE "PROTOCOL FOR LIAISON WITH DFO" FOR ALL WHALE DISENTANGLEMENT RESPONSES. NO DISENTANGLEMENT ACTIVITY SHALL BE UNDERTAKEN WITHOUT ADHERENCE TO THE DFO PROTOCOL

Commented [D1] Only relevant for disentanglement operations

11 IF ACTIVITIES AUTHORIZED BY THIS AUTHORIZATION ARE CONDUCTED WHILE ON A DFO VESSEL, THE AUTHORIZATION HOLDER WILL ENSURE THAT PERSONS ENGAGED IN THE MARINE MAMMAL RESPONSE ACTIVITY WEAR APPROPRIATE SAFETY EQUIPMENT DURING THE ENTIRE LENGTH OF THE ACTIVITY. SAFETY EQUIPMENT INCLUDES, BUT MAY NOT BE LIMITED TO, A SAFETY HELMET AND PERSONAL FLOATATION DEVICE THAT MEETS CANADIAN SAFETY STANDARDS.

12 THIS AUTHORIZATION AND CONDITIONS CANCEL AND REPLACE ANY PREVIOUS AUTHORIZATION AND CONDITION ISSUED TO _____ FOR THE PURPOSE OF CONDUCTING DISTURBANCE OPERATIONS,

13 THIS AUTHORIZATION IS VALID FROM DATE OF ISSUANCE TO _____, 2018,

14 THE ISSUANCE OF THIS AUTHORIZATION IMPLIES NO COMMITMENT BY THE MINISTER OR THE DEPARTMENT TO REISSUE THE AUTHORIZATION IN SUBSEQUENT YEARS

NOTE NOTHING IN THIS AUTHORIZATION SHALL BE CONSTRUED AS AUTHORITY UNDER THE SPECIES AT RISK ACT (SARA) TO KILL, HARM, HARASS, CAPTURE OR TAKE AN INDIVIDUAL OF A WILDLIFE SPECIES THAT IS LISTED AS "EXTIRPATED", "ENDANGERED" OR "THREATENED" AS IDENTIFIED IN SCHEDULE 1 OF SARA IF THE ACTIVITY AUTHORIZED IN THIS AUTHORIZATION IS EXPECTED TO INTERACT WITH AN "EXTIRPATED", "ENDANGERED" OR "THREATENED" SPECIES, AN APPLICATION FOR A SECTION 73 SARA PERMIT CAN BE FOUND AT WWW SARAREGISTRY GC CA AND SUBMITTED TO THE DFO SPECIES AT RISK MANAGEMENT DIVISION AT XMARSARA@DFO-MPO GC CA FOR MORE INFORMATION ON SARA, INCLUDING A LIST OF PROTECTED SPECIES, PHONE 1-866-891-0771, VISIT WWW SARAREGISTRY GC CA, OR CONTACT DFO SPECIES AT RISK MANAGEMENT DIVISION AT XMARSARA@DFO-MPO GC CA OR (902)-426-4164

Application Instructions for the Authorization of Marine Mammal Disturbance

The Minister of Fisheries and Oceans may issue an authorization to disturb a marine mammal in some circumstances under section 38 of the Canadian *Marine Mammal Regulations* for activities that will disturb a marine mammal (whales, dolphins, porpoises, seals, sea lions, walrus, sea otters)

The Regulations state that no person shall disturb a marine mammal except

- a) when carrying on a work, undertaking or activity that is authorized, otherwise permitted or required under the *Fisheries Act*,
- b) when fishing for marine mammals under the authority of these Regulations,
- c) in the manner set out in a licence issued under the *Fishery (General) Regulations* authorizing them to fish for marine mammals for experimental, scientific, educational or public display purposes issued, or
- c) in the manner authorized under the *Species at Risk Act*

The Regulations state that disturbing includes approaching a marine mammal to, or attempt to

- (a) feed it,
- (b) swim with it or interact with it,
- (c) move it or entice or cause it to move from the immediate vicinity in which it is found,
- (d) separate it from members of its group or go between it and a calf,
- (e) trap it or its group between a vessel and the shore or between a vessel and one or more other vessels, or
- (f) tag or mark it

What kind of activities may be permitted under an authorization to disturb marine mammals? If your activity constitutes disturbance as defined by the *Marine Mammal Regulations*, you need to apply for authorization to disturb. An authorization to disturb a marine mammal will only be issued if it can be established that the activity meets one or more of the criteria identified under subsection 38(1) of the *Marine Mammal Regulations*. The Minister may authorize the disturbance if it is established that the activity

- (a) could benefit marine mammals without jeopardizing the survival of the species in the wild,
- (b) could improve a marine mammal's immediate chance of survival,
- (c) would contribute to the conservation and protection of marine mammals,
- (d) could ease the pain and suffering of a marine mammal that is in distress,
- (e) would contribute to marine scientific research, or
- (f) would permit the production of audiovisual records of activities of marine mammals, which could facilitate a better understanding of marine mammals and, thereby contribute to their conservation and protection

The authorization may be subject to any condition respecting

- (a) the waters in which marine mammals may be disturbed,
- (b) the marine mammals that may be disturbed,
- (c) the period during which marine mammals may be disturbed,
- (d) the type, size, number and identification of vehicles that are permitted to be used and the persons who are permitted to operate them,
- (e) the manner in which those vehicles are to be operated, including the distance they are required to maintain from marine mammals, their speed and direction and the requirement to avoid impeding the path of marine mammals,
- (f) the manner in which marine mammals may be disturbed and the measures that are required to mitigate or minimize the negative effects of disturbing them,
- (g) the diagnostic assessment or any other assessments that are to be carried out in respect of marine mammals before, during and after the disturbance,
- (h) the information that must be reported to the Minister, as well as the method by which, the times at which and the person for whom the report is to be made, and
- (i) the records that must be maintained with respect to the activity causing the disturbance as well as the manner and form in which the records are to be maintained, the time at which and the person for whom the records are to be produced and the period for which the records are to be retained

Practical examples of these activities include, but are not limited to filming, rehabilitation, assisting a marine mammal that is stranded, euthanasia, disentanglement, scientific research for the benefit of marine mammals and freeing a marine mammal from entrapment

Part I – Activity Information

Please print clearly. Please provide detailed and accurate information. All authorizations to disturb will have reporting requirements that will be specified in the permit based on the authorized activity.

- 1 Personnel. Identify the lead applicant/project leader as well as assistants. State the qualifications of the lead applicant and assistants that demonstrate their ability to carry out this activity. Identify and provide copies of any previously issued authorizations to disturb marine mammals (or equivalent) from all countries. Indicate whether assistants will be working independently of lead applicant.
- 2 Dates and Location. Indicate detailed start and end dates and locations (a map) where the proposed activity will occur. If an activity work plan has been developed, it must be submitted with your application.
- 3 Species Identification. Identify all targeted and non-targeted marine mammal species that may occur in the area where the proposed activity will take place and indicate which ones (if any) are listed on Schedule 1 of the *Species at Risk Act* (SARA). For information on marine mammals, their SARA status and their distribution visit the following website: <http://www.dfo-mpo.gc.ca/fm-gp/mammals-mammiferes/index-eng.htm>. Indicate if you would like a SARA permit combined with your authorization to disturb marine mammals.
- 4 Vessel, Vehicle and/or Aircraft Information. Provide with your application the vessel name and CFV/Registration #, and/or vehicle/aircraft make, model and licence # and a picture of the vessel(s)/vehicle(s)/aircraft that will be used.

Part II – Impact and Mitigation Assessment

- 5 Objective and Methodology. Please provide an activity plan/proposal and ensure that the objective and methodology of the proposed activity is detailed enough to assess the impacts of disturbance. For example, indicate number, duration and distance of all approach(es).
- 6 Category of Disturbance. Referring to the list of species identified in Part I, (3) above, describe in detail the nature of disturbance and include potential impacts to habitat(s) used by the species. Categorize the disturbance, in accordance to the *Regulations*, as follows and answer the questions related to each category of disturbance:
 - (a) The activity could benefit marine mammals without jeopardizing the survival of the species in the wild,
 - (b) The activity could improve a marine mammal's immediate chance of survival,
 - (c) The activity would contribute to the conservation and protection of marine mammals,
 - (d) The activity could ease the pain and suffering of a marine mammal that is in distress,
 - (e) The activity would contribute to marine scientific research, or
 - (f) The activity would permit the production of audiovisual records of activities of marine mammals, which could facilitate a better understanding of marine mammals and, thereby contribute to their conservation and protection.
- 7 Alternatives. Describe all the alternatives that were considered to the proposed activity that would reduce the impact on the species while achieving the desired results, and explain why they were rejected in favour of the current proposal. If any alternatives were deemed to be unreasonable, explain why they were considered so.
- 8 Mitigation Measures. Describe all the measures that will be implemented to minimize the impact of the proposed activity on the species (individually and collectively). Explain how the physical condition of the marine mammal(s) will be monitored and evaluated before, during and after the disturbance. Provide references to any existing standards or best practices that will be used for mitigation. If there will be any deviation from existing standards or best practices, explain why this is considered preferable or necessary.
- 9 Conservation and Protection. Please indicate how the proposed activity contributes to the conservation and protection of marine mammals.

Are other authorizations still required?

An authorization to disturb marine mammals does not constitute an authorization to access property or supersede, cover or replace the need for other applicable authorizations. Examples of other permissions may include, but are not limited to the

following Marine Mammal Transportation Licence, *Species at Risk Act* permit, National Wildlife Area research permit, Marine Protected Area Activity Approval, Convention for the International Trade in Endangered Species (CITES) permit, additional licences under the *Fisheries Act* or other permits required under a relevant provincial Act

An Animal Care Permit or equivalent may be required for rehabilitation-related activities. If you believe that you require this type of permit and you are not affiliated with an academic institution, please contact the appropriate Fisheries and Oceans Canada (DFO) Program Officer listed at the end of this document.

If a species listed on Schedule 1 of the *Species at Risk Act* (SARA) will be disturbed, the SARA permit may be combined with an authorization to disturb marine mammals. See http://www.sararegistry.gc.ca/sar/permit/Q_and_A_e.cfm and section 74 of SARA for more information. Please contact the DFO Program Officer listed at the end of this document if you would like your authorization to disturb marine mammals to also act as a SARA permit.

Submitting Your Application:

For applications related to the production of audio-visual records please submit, at a minimum, 90 days before the proposed commencement date. Please contact the undersigned if you have any questions and send your completed application via fax or scan/email to

DFO Marine Mammal Program Officer
Fisheries & Oceans Canada – [Redacted] Region

Address

Phone: [Redacted] Email: [Redacted] Fax: [Redacted]

Dickie, Catherine

From: Thomson, Andrew
Sent: August-09-18 5:21 PM
To: Lowe, Carmel
Subject: Fw. Authorization
Attachments: NOAA_SECTION_38_AUTHORIZATION_AUG_9.doc

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches
Pacific Region | Région du Pacifique
Fisheries & Oceans Canada | Pêches et Océans Canada

Suite 200 – 401 Burrard St.
Vancouver, BC, Canada V6C 3S4
andrew.thomson@dfo-mpo.gc.ca
Telephone | Téléphone 604.666.0751
Facsimile | Télécopieur 250.666.8069
Government of Canada | Gouvernement du Canada.

From: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 1:30 PM
To: Teri Rowles - NOAA Federal; Cottrell, Paul
Cc: Lynne Barre - NOAA Federal; Deborah Fauquier - NOAA Affiliate; Brad Hanson; Sarah Wilkin; Candice Emmons; Kristin Wilkinson; Davis, Neil; Greene, Annely; Thornton, Sheila
Subject: Authorization

Dr. Rowles

Please find attached an

AUTHORIZATION TO DISTURB A MARINE MAMMAL AND TAKE BIOLOGICAL SAMPLES OF A MARINE MAMMAL, PURSUANT TO SECTION 38 OF THE MARINE MAMMAL REGULATIONS, SECTION 52 OF THE FISHERY (GENERAL) REGULATIONS, AND SECTION 74 OF THE SPECIES AT RISK ACT.

I would ask that you carefully read the authorization and ensure you understand the conditions and respond via email to that effect.

Andrew J L Thomson
Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches

From: Teri Rowles - NOAA Federal [<mailto:Teri.Rowles@noaa.gov>]
Sent: Thursday, August 9, 2018 1:10 PM
To: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>

Cc: Lynne Barre - NOAA Federal <[REDACTED]>; Deborah Fauquier - NOAA Affiliate <[REDACTED]>;
<[REDACTED]>; Brad Hanson <[REDACTED]>; Sarah Wilkin <[REDACTED]>; Candice
Emmons <[REDACTED]>; Kristin Wilkinson <[REDACTED]>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Greene, Annely <Annely.Greene@dfo-mpo.gc.ca>;
Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>
Subject: Re: SARA license application

Great.

On Aug 9, 2018, at 3:07 PM, Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca> wrote:

Thanks so much Lynne! Really appreciate everyone efforts to get us the information. There should be an email to Teri for her signature in the next hour or so.

Best,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Lynne Barre - NOAA Federal <[REDACTED]>
Sent: Thursday, August 09, 2018 12:40 PM
To: Cottrell, Paul; Thornton, Sheila; Greene, Annely
Cc: Teri Rowles - NOAA Federal; Deborah Fauquier - NOAA Affiliate; Brad Hanson; Sarah Wilkin; Candice Emmons; Kristin Wilkinson
Subject: SARA license application

Hi Paul,

Attached is the completed SARA license application form along with the application document submitted yesterday. I've also attached documentation of Animal Care Committee compliance for the activities approved under the US NMFS Permit No. 18786-03.

I believe that Brad Hanson has already applied for foreign vessel clearance, but am awaiting confirmation. I can send along a photo of the vessel as soon as I get one from the team.

Please let us know if you need anything else and please provide confirmation that work can proceed in Canadian waters or a copy of the license or as soon as it is available.

Thanks,
Lynne

**Pages 224 to / à 227
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pages 275 to / à 278**

Dozie, Juachi

From: Cottrell, Paul
Sent: August-09-18 7:16 AM
To: Lowe, Carmel, Thornton, Sheila
Cc: Davis, Neil, Thomson, Andrew; Greene, Annely
Subject: FW Action Plan for J50
Attachments: Science Evaluation Review Form docx

Hi Sheila/Carmel,
Attached is the science evaluation review form for the NOAA proposal.
Cheers,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul
Sent: Thursday, August 09, 2018 6:24 AM
To: Teri Rowles - NOAA Federal
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson; Davis, Neil; Thomson, Andrew; Lowe, Carmel; Thornton, Sheila; Greene, Annely
Subject: RE: Action Plan for J50

Hi Teri,
Thank-you so much. Our DFO science folks will evaluate the proposal and resource management will work to draft a licence in anticipation of approval. I have attached a licence application which will need to be completed. Please complete asap so we can draft licence.
Thanks again,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

s.19(1)

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal

Sent: Wednesday, August 08, 2018 4:41 PM

To: Cottrell, Paul

Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson

Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU



Science Evaluation Form

Marine Mammal and Species at Risk Licences

Assess sections for both SARA and non-SARA species

Application No:	
Applicant Name:	
Project Title:	
SARA MM Species: (Listed as Endangered or Threatened)	
Other MM Species: (includes SARA Species Listed as Special Concern)	
Science Review:	
a. <u>Assessment of Anticipated Affect</u> (choose from i to iii below)	
i) <input type="checkbox"/> The proposed activity is not anticipated to affect ⁱ the requested marine mammals. (please explain rationale). (permit not required skip to (d))	
ii) <input type="checkbox"/> The information in the application is inadequate to assess if the proposed activity will affect ⁱ marine mammals. (please explain or specify information required) (recommend permit denial skip to (d))	
iii) <input type="checkbox"/> The proposed activity is anticipated to affect ⁱ the requested marine mammal(s), and : (please check purpose)	
<input type="checkbox"/> The activity is scientific research relating to the conservation of the species and conducted by qualified persons. (proceed to (b))	
<input type="checkbox"/> The activity benefits the species or is required to enhance its chance of survival in the wild. (proceed to (b))	
<input type="checkbox"/> Affecting the species is incidental to the carrying out of the activity (proceed to (b))	
OR	<input type="checkbox"/> Licence request is for a SARA Species and does not comply with any of the allowable purposes set out in SARA 73(2) as outlined in the above three purposes. (please explain then skip to (d) and recommend permit denial)
OR	<input type="checkbox"/> Licence request is for non-SARA Species and does not comply with any of the above purposes set out above. (please skip to (d) and recommend licence denial or explain why licence is recommended and proceed to (b))
b. <u>Assessment of Pre-Condition Requirements</u> ⁱⁱ	

The proposed research (*assess for both SARA and Non-SARA species*):

☐ Complies with the required pre-conditionsⁱⁱ set out in SARA S.73(3).

(if yes, proceed to section (c))

☐ The proposed research could comply with the required pre-conditionsⁱⁱ set out in SARA S.73(3) subject to the following amendments/restrictions to the activity methodology. (*Explain and provide methodology amendments/restrictions*)

(if yes, proceed to (c))

☐ The proposed research does not comply with the required pre-conditionsⁱⁱ set out in SARA S.73(3). (*please explain*)

(complete section (c) then recommend permit denial in Section (d))

c. Recovery Strategy & Recovery Team Review

Does this application include SARA listed Species?

(if no skip to (d))

Yes No

☐ ☐

Is there a Recovery Strategy, Management Plan and/or Action Plan drafted for this species?

Yes NO

☐ ☐

Is the proposed activity supported by the Strategy, Management or Action Plan?

(explain and/or identify section)

Yes NO

☐ ☐

Is there a Recovery Team for this species?

(if no skip to (d))

Yes NO

☐ ☐

If Yes, has the Recovery Team reviewed the Licence request?

(attach assessment)

Yes No

☐ ☐

If **yes**, please outline whether the Recovery Team recommendation is similar or contrary to DFO Science opinion and explain basis if different.

If **no**, please explain.

d. Science Section Recommendation

I recommend that this request (*check appropriate recommendation*):

☐ Does not require a licence for the reason(s) specified in (a)

☐ Is approved as requested

☐ Is approved subject to the amendments/restrictions outlined in (b)

☐ Is denied for the reasons specified in (a), (b), or (c)

Science Program Head/Section Head signatures are required for SARA species listed as Special Concern and all other marine mammals).

Signature of Science Program Head: _____ **Date:** _____

Signature of Science Section Head: _____ **Date:** _____

Is the species being evaluated listed as Endangered or Threatened under SARA? If yes, Science Division Head signature is also required.

Signature of Science Division Head: _____ **Date:** _____

Endnotes

i Definitions of Affect (SARA and Non-SARA Listed Species)

For the purposes of assessing whether an activity may affect a listed marine mammal species under S73 of SARA or disturb a marine mammal under the Marine Mammal Regulations, an activity will be deemed to affect (disturb) the marine mammal if the activity does not comply with:

- S32(1) that states that “No person shall kill, harm, harass, capture or take an individual or a wildlife species that is listed as an extirpated species, and endangered species or a threatened species”; or,
- S33 that states that “No person shall damage or destroy the residence of one or more individual of a wildlife species that is listed as an endangered species or a threatened species, or that is listed as an extirpated species if a recovery strategy has recommended that reintroduction of the species into the wild in Canada
- the regionally posted marine mammal viewing guidelines.

ii Preconditions for affecting or disturbing a marine mammal

SARA establishes that certain preconditions be met to authorize “affecting” the species. For program consistency, these conditions will be considered for both SARA listed and non-SARA listed marine mammal species. The preconditions of SARA are:


S73(3) preconditions for the issuance of a S73 permit are:

- (a) All reasonable alternatives to the activity that would reduce the impact on the species have been considered and the best solution has been adopted.
- (b) All feasible measures will be taken to minimize the impact of the activity on the species or its critical habitat or the residences of individuals; and
- (c) The activity will not jeopardize the survival or recovery of the species.

Dozie, Juachi

From: Davis, Neil
Sent: August-09-18 12 13 PM
To: Chin, Jena
Subject: RE ROCs submission

hi Jena



From: Chin, Jena
Sent: August 8, 2018 4:52 PM
To: Davis, Neil
Subject: ROCs submission

Hi Neil,

Just wanted to get ahead of the game. Here is a sentence from a previous ROCs submission for your J50 paragraph

Orca J50 appears to be in poor health

The scientific community continues to express concern over the condition of J50, a 3 year old juvenile who appears emaciated. DFO is continuing to work closely with its partners to monitor the population and report on any missing individuals.

Cheers,
Jena

No information has been removed or severed from this page

Dozie, Juachi

From: Davis, Neil
Sent: August-09-18 12 45 PM
To: Girouard, Louise, Jackson, Ashley, Smith, Kathleen
Cc: Northcott, Jennifer, Morris, Christina
Subject: RE quick call?
Attachments: Fw Action Plan for J50, MM- SARA LICENCE APPLICATION docx

Here is the application from NOAA, received late yesterday



Neil

From: Girouard, Louise
Sent: Thursday, August 9, 2018 8:55 AM
To: Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>, Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>
Cc: Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>, Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: Re. quick call?

Neil. Can you help?

L

From: Jackson, Ashley
Sent: Thursday, August 9, 2018 8:54 AM
To: Smith, Kathleen; Girouard, Louise
Cc: Northcott, Jennifer; Morris, Christina
Subject: Re: quick call?

The application is for a permit under s38 MMR

Ashley Jackson
Fisheries and Oceans Canada
Cell: 226-936-1508

From: Smith, Kathleen
Sent: Thursday, August 9, 2018 11:52 AM
To: Girouard, Louise
Cc: Northcott, Jennifer; Jackson, Ashley; Morris, Christina
Subject: quick call?

Arran would like to see the US application –who in PAC has it? A few other things to discuss too

Kathleen Smith

A/Manager Communications / Gestionnaire p-i
Aquatic Ecosystems Sector / Équipes du Secteur des écosystèmes aquatiques

(613) 990-0636 (office-bureau) /

Fisheries and Oceans Canada / Pêches et Océans Canada

**Pages 237 to / à 241
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pages 175 to / à 179**

Dozie, Juachi

From: Davis, Neil
Sent: August-09-18 7:45 AM
To: Jenkins, Randy
Subject: Fw Action Plan for J50
Attachments: DFO_Application J50 docx

As requested

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Wednesday, August 8, 2018 10:19 PM
To: Davis, Neil; Thomson, Andrew
Cc: Harber, Lee
Subject: Fw: Action Plan for J50

Hi Guys,

Request from NOAA. We have a SARA/section 52 application on-line which proponents usually fill out. I am sending them a link.

Cheers,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Teri Rowles - NOAA Federal [REDACTED]
Sent: Wednesday, August 8, 2018 4:41 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

**Pages 243 to / à 245
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pages 168 to / à 170**

Dozie, Juachi

From: Davis, Neil
Sent: August-09-18 8 32 AM
To: Cottrell, Paul, Thomson, Andrew
Cc: Harber, Lee
Subject: RE Action Plan for J50

From: Cottrell, Paul
Sent: Thursday, August 9, 2018 8 25 AM
To: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Cc: Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>
Subject: FW: Action Plan for J50

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul
Sent: Thursday, August 09, 2018 8:23 AM
To: Moore, Kendra; Harber, Lee
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Thanks,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Moore, Kendra
Sent: Thursday, August 09, 2018 8:17 AM
To: Harber, Lee; Cottrell, Paul
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Hi Lee,

We will be using a section 38 authorization under the Marine Mammal Regulations, not a permit under SARA. We have drafted an authorization template for your region's review and will be sending it shortly. Based on Science's evaluation of NOAA's application, the approved activities must be included within the section 38 authorization.

Kendra

From: Harber, Lee
Sent: August-09-18 11:03 AM
To: Cottrell, Paul, Moore, Kendra
Subject: Fw: Action Plan for J50

FYI - science to complete application form and evaluate request.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 7:17 AM
To: Harber, Lee
Subject: FW: Action Plan for J50

From: Cottrell, Paul

s.19(1)

Sent: Thursday, August 09, 2018 6:24 AM

To: Teri Rowles - NOAA Federal

Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson; Davis, Neil; Thomson, Andrew; Lowe, Carmel; Thornton, Sheila; Greene, Annely

Subject: RE: Action Plan for J50

Hi Teri,

Thank-you so much. Our DFO science folks will evaluate the proposal and resource management will work to draft a licence in anticipation of approval. I have attached a licence application which will need to be completed. Please complete asap so we can draft licence.

Thanks again,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal

Sent: Wednesday, August 08, 2018 4:41 PM

To: Cottrell, Paul

Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson

Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Dozie, Juachi

From: Davis, Neil
Sent: August-09-18 8 14 AM
To: Jenkins, Randy
Cc: Gilchrist, Brett, Cottrell, Paul (Paul.Cottrell@dfo-mpo.gc.ca), Harber, Lee (Lee.Harber@dfo-mpo.gc.ca)
Subject: RE: Action Plan for J50

Hi Randy

Paul has the expertise around licencing and can address your questions,

From: Jenkins, Randy
Sent: Thursday, August 9, 2018 8:09 AM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Cc: Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Subject: RE: Action Plan for J50

From: Jenkins, Randy
Sent: Thursday, August 9, 2018 10:56 AM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Cc: Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Subject: RE: Action Plan for J50

Thanks,

From: Jenkins, Randy
Sent: Thursday, August 9, 2018 10:50 AM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Cc: Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Subject: RE: Action Plan for J50

Hi Neil,

4
5.
6

Thanks.
Randy

From: Davis, Neil
Sent: Thursday, August 9, 2018 10:45 AM
To: Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>
Subject: Fw. Action Plan for J50

As requested

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Wednesday, August 8, 2018 10:19 PM
To: Davis, Neil; Thomson, Andrew
Cc: Harber, Lee
Subject: Fw: Action Plan for J50

Hi Guys,

Request from NOAA. We have a SARA/section 52 application on-line which proponents usually fill out. I am sending them a link.

Cheers,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Teri Rowles - NOAA Federal <[REDACTED]>
Sent: Wednesday, August 8, 2018 4:11 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

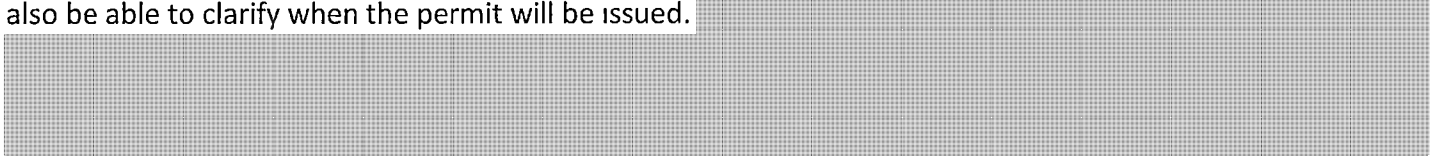
Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Dozie, Juachi

From: Davis, Neil
Sent: August-09-18 7 42 AM
To: Girouard, Louise, Thomson, Andrew
Cc: Cottrell, Paul, Thornton, Sheila, Lowe, Carmel, Malikian, Janine, Bate, Dan, Sloan, Lara, Kaba, Kyle, Johal, Sharan
Subject: Re URGENT. J50 Messaging and questions

Let's discuss at on our call at 9. I think it will be important for us to be prepared to clarify what activities we are approving and whether there are any activities we are not approving and if so, why not. Ideally, we should also be able to clarify when the permit will be issued.



Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Girouard, Louise
Sent: Thursday, August 9, 2018 6:09 AM
To: Thomson, Andrew; Davis, Neil
Cc: Cottrell, Paul, Thornton, Sheila; Lowe, Carmel, Malikian, Janine; Bate, Dan; Sloan, Lara; Kaba, Kyle, Johal, Sharan
Subject: URGENT: J50 Messaging and questions

Good morning,

I am asked by NHQ to provide some clarity around the following anticipated issues to be raised on the NOAA media call...

Andy\Neil,

Will we be able to confirm that DFO has received all the necessary applications and permits WILL BE issued for the eventuality of an intervention in Canadian waters?

Also we will get questions regarding the sighting yesterday of J35 and her calf . Who will be able to speak to this and explain what are we planning to do to help her??

As for J50 and the proposed operation by NOAA They will have their lead expert on the call this morning to explain in detail how they would proceed and what would be the conditions that will allow them to do so. Eg location and access to J50 etc. WHO from DFO would be able to speak to our involvement in such an operation?

Please call if you have any questions,

L

Patrick, Lindsey

From: Smith, Kathleen
Sent: August-09-18 2:11 PM
To: Lapointe, Sylvie, Burns, Adam, Gilchrist, Brett
Cc: Jackson, Ashley
Subject: FW: For URGENT DMO approval J50 - media lines and message to media

See below –DMO asked us to confirm status of permit Ashley spoke to Brett which informed note below
DMO got back to us saying “Perfect, thanks”
tx

From: Smith, Kathleen
Sent: Thursday, August 9, 2018 2:09 PM
To: Malko, Carol <Carol.Malko@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>
Cc: Butcher, Ashley <Ashley.Butcher@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.McElhone@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Wiebe, Robert <Robert.Wiebe@dfo-mpo.gc.ca>; Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Geraldles, Betty <Betty.Geraldles@dfo-mpo.gc.ca>; Hinds, Kimberly <Kimberly.Hinds@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>
Subject: RE: For URGENT DMO approval. J50 - media lines and message to media

Carol,

We’ve touched base with program here at HQ on status of permit Understand PAC region is still working to fill out template and will then issue final permit to NOAA

Adam Burns has requested that when PAC issue permit that they advise HQ so that program here can brief up.

Kathleen

From: Malko, Carol
Sent: Thursday, August 9, 2018 1:16 PM
To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>
Cc: Butcher, Ashley <Ashley.Butcher@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.McElhone@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Wiebe, Robert <Robert.Wiebe@dfo-mpo.gc.ca>; Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Geraldles, Betty <Betty.Geraldles@dfo-mpo.gc.ca>; Hinds, Kimberly <Kimberly.Hinds@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>
Subject: Re: For URGENT DMO approval: J50 - media lines and message to media

Hi Kathleen,

s.21(1)(a)

s.21(1)(b)

These look good.

I also understand that the permit has been issued? Can we confirm and revise lines accordingly? I know this is moving fast and in real time.

Carol

Sent from my BlackBerry 10 smartphone on the Rogers network

From: Smith, Kathleen

Sent: Thursday, August 9, 2018 13:04

To: Malko, Carol; ComApproval / Approbation (DFO/MPO)

Cc: Butcher, Ashley; McElhone, Kathryn; Jackson, Ashley; Girouard, Louise; Wiebe, Robert; Saindon, Carole; Northcott, Jennifer; Malikian, Janine; Sloan, Lara; Geraldles, Betty; Hinds, Kimberly; ComApproval / Approbation (DFO/MPO); Morris, Christina

Subject: RE: For URGENT DMO approval: J50 - media lines and message to media

Carol,

The attached media lines have been tweaked to reflect the edits to Statement – are they approved as well?

Thanks!

From: Malko, Carol

Sent: Thursday, August 9, 2018 12.11 PM

To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO)

<ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>

Cc: Butcher, Ashley <Ashley.Butcher@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.McElhone@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Wiebe, Robert <Robert.Wiebe@dfo-mpo.gc.ca>; Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Geraldles, Betty <Betty.Geraldles@dfo-mpo.gc.ca>; Hinds, Kimberly <Kimberly.Hinds@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>

Subject: RE: For URGENT DMO approval: J50 - media lines and message to media

Please go ahead and move this to MINO.

From: Malko, Carol

Sent: Thursday, August 9, 2018 12:04 PM

To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO)

<ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>

Cc: Butcher, Ashley <Ashley.Butcher@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.McElhone@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Wiebe, Robert <Robert.Wiebe@dfo-mpo.gc.ca>; Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Geraldles, Betty <Betty.Geraldles@dfo-mpo.gc.ca>; Hinds, Kimberly <Kimberly.Hinds@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>

Subject: RE: For URGENT DMO approval: J50 - media lines and message to media

I want to quickly run this by the Associate. Will have an answer for you in 5 minutes.

From: Smith, Kathleen
Sent: Thursday, August 9, 2018 12:04 PM
To: Malko, Carol <Carol.Malko@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>
Cc: Butcher, Ashley <Ashley.Butcher@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.McElhone@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Wiebe, Robert <Robert.Wiebe@dfo-mpo.gc.ca>; Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Geraldles, Betty <Betty.Geraldles@dfo-mpo.gc.ca>; Hinds, Kimberly <Kimberly.Hinds@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>
Subject: Re: For URGENT DMO approval. J50 - media lines and message to media

OK will do

From:
Malko, Carol
Sent:
Thursday,
August 9,
2018 12:02
PM
To: Smith,
Kathleen;
ComApproval
/
Approbation
(DFO/MPO)
Cc: Butcher,
Ashley;
McElhone,
Kathryn;
Jackson,
Ashley;
Girouard,
Louise;
Wiebe,
Robert;
Saindon,
Carole;
Northcott,
Jennifer;
Malikian,
Janine;
Sloan, Lara;
Geraldles,
Betty; Hinds,
Kimberly;
ComApproval
/
Approbation

s.21(1)(a)

s.21(1)(b)

(DFO/MPO);

Morris,
Christina

Subject:

RE: For

URGENT

DMO

approval:

J50 - media

lines and

message to

media

From: Smith, Kathleen

Sent: Thursday, August 9, 2018 12:00 PM

To: Malko, Carol <Carol.Malko@dfo-mpo.gc.ca>, ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation XNCR@dfo-mpo.gc.ca>

Cc: Butcher, Ashley <Ashley.Butcher@dfo-mpo.gc.ca>, McElhone, Kathryn <Kathryn.McElhone@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Wiebe, Robert <Robert.Wiebe@dfo-mpo.gc.ca>; Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Geraldles, Betty <Betty.Geraldles@dfo-mpo.gc.ca>; Hinds, Kimberly <Kimberly.Hinds@dfo-mpo.gc.ca>, ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation XNCR@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>

Subject: RE: For URGENT DMO approval. J50 - media lines and message to media

How is this –please note green text reflects comments just received from Arran McPherson.

Kathleen

=====

s.21(1)(a)

s.21(1)(b)

From: Malko, Carol

Sent: Thursday, August 9, 2018 11:42 AM

To: ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>

Cc: Butcher, Ashley <Ashley.Butcher@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.Mcelhone@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; Wiebe, Robert <Robert.Wiebe@dfo-mpo.gc.ca>; Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Geraldès, Betty <Betty.Geraldès@dfo-mpo.gc.ca>; Hinds, Kimberly <Kimberly.Hinds@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>

Subject: Re. For URGENT DMO approval: J50 - media lines and message to media

Carol

Sent from my BlackBerry 10 smartphone on the Rogers network.

From:

ComApproval

/

Approbation

(DFO/MPO)

Sent:

Thursday,

August 9,

2018 11:16

To: Malko,

Carol

Cc: Butcher,

Ashley;

McElhone,

Kathryn;

Jackson,

Ashley;

Girouard,

Louise;

Smith,

s.21(1)(a) Kathleen;
s.21(1)(b) Wiebe,
Robert;
Saindon,
Carole;
Northcott,
Jennifer;
Malikian,
Janine;
Sloan, Lara;
Geraldles,
Betty; Hinds,
Kimberly;
ComApproval
/
Approbation
(DFO/MPO);
Morris,
Christina
Subject:
For URGENT
DMO
approval:
J50 - media
lines and
message to
media

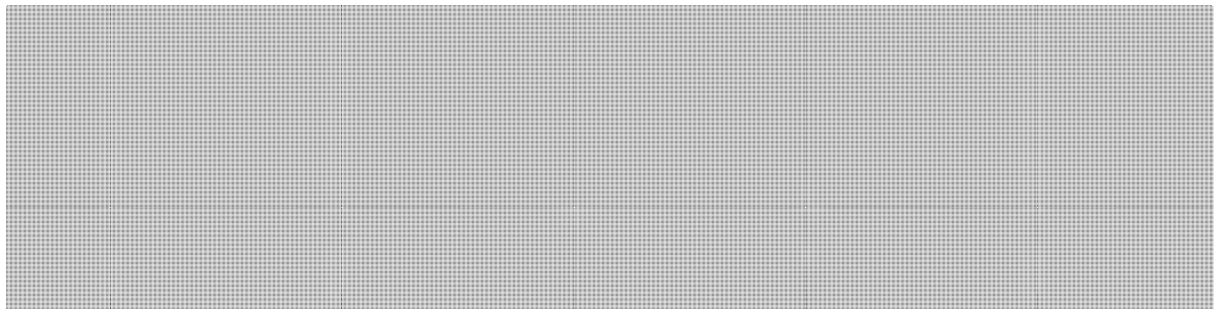
Context: Attached for your urgent approval are the media lines and message to media (below) on the situation with J50.

Approved by:

Adam Burns
Nick Winfield
Phillippe Morel
Arran McPherson
Paul Cottrell
Sylvie Lapointe
Andy Thomson

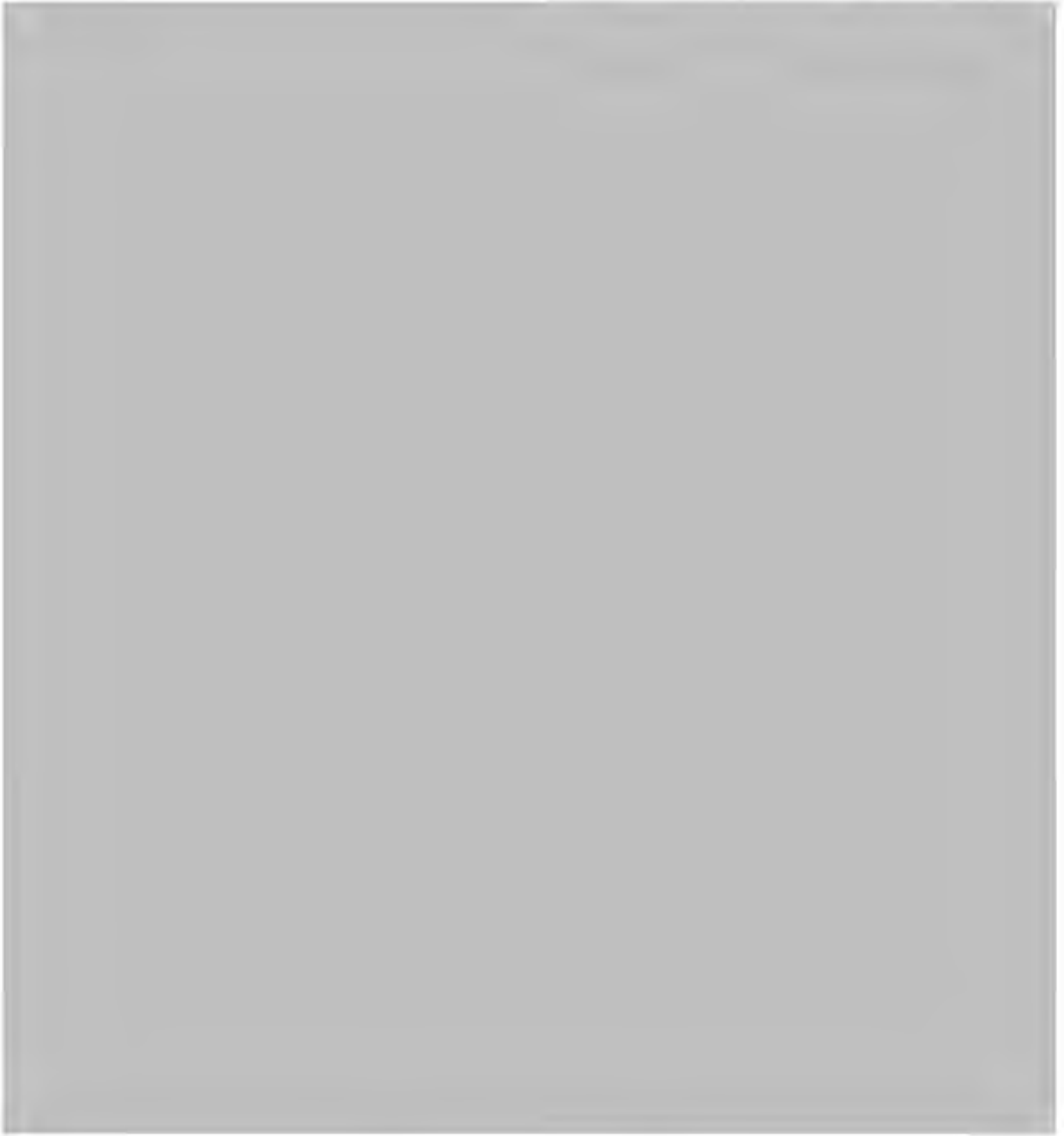
Approval pending:

DMO
MinO
PCO



s.21(1)(a)

s.21(1)(b)



Jenkins, Randy

From: Jenkins, Randy
Sent: Thursday, August 9, 2018 11:43 AM
To: Burns, Adam, Scott, Paul G, Gilchrist, Brett
Subject: RE: Action Plan for J50

From: Burns, Adam
Sent: Thursday, August 9, 2018 11:42 AM
To: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>, Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>, Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>
Subject: Re: Action Plan for J50

Let me know soonest.

Thx

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Scott, Paul G
Sent: Thursday, August 9, 2018 11:39 AM
To: Burns, Adam; Gilchrist, Brett; Jenkins, Randy
Subject: FW: Action Plan for J50

From: Cottrell, Paul
Sent: Thursday, August 9, 2018 11:33 AM
To: Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>, Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>
Cc: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>, Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: RE: Action Plan for J50

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

s.21(1)(a)

s.21(1)(b)

s.23

(604) 666-9965

From: Gilchrist, Brett
Sent: Thursday, August 09, 2018 8:29 AM
To: Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Brett

From: Cottrell, Paul
Sent: August-09-18 11:24 AM
To: Moore, Kendra; Harber, Lee
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Thanks,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Moore, Kendra
Sent: Thursday, August 09, 2018 8:17 AM
To: Harber, Lee; Cottrell, Paul
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Hi Lee,

We will be using a section 38 authorization under the Marine Mammal Regulations, not a permit under SARA. We have drafted an authorization template for your region's review and will be sending it shortly. Based on Science's evaluation of NOAA's application, the approved activities must be included within the section 38 authorization.

Kendra

From: Harber, Lee
Sent: August-09-18 11:03 AM
To: Cottrell, Paul; Moore, Kendra
Subject: Fw: Action Plan for J50

FYI - science to complete application form and evaluate request.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 7:17 AM
To: Harber, Lee
Subject: FW: Action Plan for J50

From: Cottrell, Paul
Sent: Thursday, August 09, 2018 6:24 AM
To: Teri Rowles - NOAA Federal
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson; Davis, Neil; Thomson, Andrew; Lowe, Carmel; Thornton, Sheila; Greene, Annely
Subject: RE: Action Plan for J50

Hi Teri,
Thank-you so much. Our DFO science folks will evaluate the proposal and resource management will work to draft a licence in anticipation of approval. I have attached a licence application which will need to be completed. Please complete asap so we can draft licence.
Thanks again,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal [REDACTED]
Sent: Wednesday, August 08, 2018 4:41 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Jenkins, Randy

From: Jenkins, Randy
Sent: Thursday, August 9, 2018 11 52 AM
To: Gilchrist, Brett
Subject: FW Action Plan for J50

From: Burns, Adam
Sent: Thursday, August 9, 2018 11:51 AM
To: Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>
Subject: Re: Action Plan for J50

I don't need to review. It needs to get to region. As long as needed language is in it.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Jenkins, Randy
Sent: Thursday, August 9, 2018 11:50 AM
To: Burns, Adam
Subject: FW: Action Plan for J50

FYI. ... Brett advised that the authorization form will reference all appropriate sections... he will send you something.

From: Jenkins, Randy
Sent: Thursday, August 9, 2018 11:49 AM
To: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>
Cc: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: RE: Action Plan for J50

We are using the new legislative tool (section 38 MMR) that was specifically introduced as means to deal with MM disturbances under certain conditions. The authorization form will reference section 38 MMR, Section 52 FGR and section 74 of SARA as applicable so I think we have covered all the angles.

From: Cottrell, Paul
Sent: Thursday, August 9, 2018 11:33 AM
To: Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>
Cc: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>; Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: RE: Action Plan for J50

Paul Cottrell

Pacific Marine Mammal Coordinator

s.21(1)(a)

Fisheries and Oceans Canada

s.21(1)(b)

200-401 Burrard St

s.23

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Gilchrist, Brett

Sent: Thursday, August 09, 2018 8:29 AM

To: Cottrell, Paul; Moore, Kendra; Harber, Lee

Cc: Scott, Paul G; Jenkins, Randy

Subject: RE: Action Plan for J50

Brett

From: Cottrell, Paul

Sent: August-09-18 11:24 AM

To: Moore, Kendra; Harber, Lee

Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy

Subject: RE: Action Plan for J50

THANKS,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Moore, Kendra
Sent: Thursday, August 09, 2018 8:17 AM
To: Harber, Lee; Cottrell, Paul
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Hi Lee,

We will be using a section 38 authorization under the Marine Mammal Regulations, not a permit under SARA. We have drafted an authorization template for your region's review and will be sending it shortly. Based on Science's evaluation of NOAA's application, the approved activities must be included within the section 38 authorization

Kendra

From: Harber, Lee
Sent: August-09-18 11:03 AM
To: Cottrell, Paul; Moore, Kendra
Subject: Fw: Action Plan for J50

FYI - science to complete application form and evaluate request.

Sent from my BlackBerry 10 smartphone on the Rogers network

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 7:17 AM
To: Harber, Lee
Subject: FW: Action Plan for J50

From: Cottrell, Paul
Sent: Thursday, August 09, 2018 6:24 AM
To: Teri Rowles - NOAA Federal
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson; Davis, Neil; Thomson, Andrew; Lowe, Carmel; Thornton, Sheila; Greene, Annely
Subject: RE: Action Plan for J50

Hi Teri,
Thank-you so much. Our DFO science folks will evaluate the proposal and resource management will work to draft a licence in anticipation of approval. I have attached a licence application which will need to be completed. Please complete asap so we can draft licence.
Thanks again,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal [REDACTED]

Sent: Wednesday, August 08, 2018 4:41 PM

To: Cottrell, Paul

Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson

Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Jenkins, Randy

From: Jenkins, Randy
Sent: Thursday, August 9, 2018 12:28 PM
To: Davis, Neil; Gilchrist, Brett; Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Thomson, Andrew; Olson, Heather (DOJ); Burns, Adam
Subject: RE: Action Plan for J50

Brett and Paul will join Kendra

From: Davis, Neil
Sent: Thursday, August 9, 2018 12:26 PM
To: Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>, Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>, Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>
Cc: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>, Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>, Olson, Heather (DOJ) <heather.olson@justice.gc.ca>, Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>
Subject: Re: Action Plan for J50

Brett et al

Can the relevant nhq folks join our srkw ops call at 930? Kendra is already on the invite, so can share w you. Then we can use that time slot to work through these licensing details

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Gilchrist, Brett
Sent: Thursday, August 9, 2018 9:15 AM
To: Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy; Davis, Neil; Thomson, Andrew; Olson, Heather (DOJ); Burns, Adam
Subject: RE: Action Plan for J50

The memo is attached for your use if you need it as well

Brett

From: Gilchrist, Brett
Sent: August-09-18 11:59 AM
To: Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy; Davis, Neil; Thomson, Andrew; Olson, Heather (DOJ) (heather.olson@justice.gc.ca); Burns, Adam
Subject: RE: Action Plan for J50

Let me know if you have any questions

s.21(1)(a)

Brett
613-993-2055

s.21(1)(b)

s.23

From: Cottrell, Paul
Sent: August-09-18 11:33 AM
To: Gilchrist, Brett; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy; Davis, Neil; Thomson, Andrew
Subject: RE: Action Plan for J50

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Gilchrist, Brett
Sent: Thursday, August 09, 2018 8:29 AM
To: Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Brett

From: Cottrell, Paul
Sent: August-09-18 11:24 AM
To: Moore, Kendra; Harber, Lee
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

s.21(1)(a)

s.21(1)(b)

Thanks,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Moore, Kendra
Sent: Thursday, August 09, 2018 8:17 AM
To: Harber, Lee; Cottrell, Paul
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Hi Lee,

We will be using a section 38 authorization under the Marine Mammal Regulations, not a permit under SARA. We have drafted an authorization template for your region's review and will be sending it shortly. Based on Science's evaluation of NOAA's application, the approved activities must be included within the section 38 authorization.

Kendra

From: Harber, Lee
Sent: August-09-18 11:03 AM
To: Cottrell, Paul; Moore, Kendra
Subject: Fw: Action Plan for J50

FYI - science to complete application form and evaluate request.

Sent from my BlackBerry 10 smartphone on the Rogers network

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 7:17 AM
To: Harber, Lee
Subject: FW: Action Plan for J50

From: Cottrell, Paul
Sent: Thursday, August 09, 2018 6:24 AM
To: Teri Rowles - NOAA Federal
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson; Davis, Neil; Thomson, Andrew; Lowe, Carmel; Thornton, Sheila; Greene, Annely
Subject: RE: Action Plan for J50

Hi Teri,
Thank-you so much. Our DFO science folks will evaluate the proposal and resource management will work to draft a licence in anticipation of approval. I have attached a licence application which will need to be completed. Please complete asap so we can draft licence.
Thanks again,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal
Sent: Wednesday, August 08, 2018 4:41 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Jenkins, Randy

From: Scott, Paul G
Sent: Thursday, August 9, 2018 5 10 PM
To: Burns, Adam, Gilchrist, Brett
Cc: Jenkins, Randy
Subject: FW: Authorization
Attachments: NOAA_SECTION_38_AUTHORIZATION_AUG_9 doc

Adam/Brent,

Did not see you on the distribution lists

From: Davis, Neil
Sent: Thursday, August 9, 2018 5:07 PM
To: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>, Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>, Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>
Cc: Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>
Subject: FW: Authorization

Fyi. Licence sent to NOAA

From: Thomson, Andrew
Sent: Thursday, August 9, 2018 1:31 PM
To: Teri Rowles - NOAA Federal <[REDACTED]>, Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Cc: Lynne Barre - NOAA Federal <[REDACTED]>; Deborah Fauquier - NOAA Affiliate <[REDACTED]>, Brad Hanson <[REDACTED]>, Sarah Wilkin <[REDACTED]>, Candice Emmons <[REDACTED]>, Kristin Wilkinson <[REDACTED]>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Greene, Annely <Annely.Greene@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>
Subject: Authorization

Dr. Rowles

Please find attached an

AUTHORIZATION TO DISTURB A MARINE MAMMAL AND TAKE BIOLOGICAL SAMPLES OF A MARINE MAMMAL, PURSUANT TO SECTION 38 OF THE MARINE MAMMAL REGULATIONS, SECTION 52 OF THE FISHERY (GENERAL) REGULATIONS, AND SECTION 74 OF THE SPECIES AT RISK ACT.

I would ask that you carefully read the authorization and ensure you understand the conditions and respond via email to that effect.

Andrew J L Thomson

Regional Director | Directeur Régionale
 Fisheries Management Branch | Direction de la gestion des pêches

From: Teri Rowles - NOAA Federal [mailto: [REDACTED]]
Sent: Thursday, August 9, 2018 1:10 PM
To: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Cc: Lynne Barre - NOAA Federal < [REDACTED] >, Deborah Fauquier - NOAA Affiliate
 [REDACTED], Brad Hanson < [REDACTED] >, Sarah Wilkin [REDACTED]
 Candice Emmons [REDACTED], Kristin Wilkinson [REDACTED], Davis, Neil
 <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>, Greene, Annely
 <Annely.Greene@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>
Subject: Re: SARA license application

Great.

[REDACTED]

On Aug 9, 2018, at 3:07 PM, Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca> wrote:

Thanks so much Lynne! Really appreciate everyone efforts to get us the information. There should be an email to Teri for her signature in the next hour or so.

Best,
 Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Lynne Barre - NOAA Federal [REDACTED]
Sent: Thursday, August 09, 2018 12:40 PM
To: Cottrell, Paul; Thornton, Sheila; Greene, Annely
Cc: Teri Rowles - NOAA Federal; Deborah Fauquier - NOAA Affiliate; Brad Hanson; Sarah Wilkin; Candice Emmons; Kristin Wilkinson
Subject: SARA license application

Hi Paul,

Attached is the completed SARA license application form along with the application document submitted yesterday. I've also attached documentation of Animal Care Committee compliance for the activities approved under the US NMFS Permit No. 18786-03.

I believe that Brad Hanson has already applied for foreign vessel clearance, but am awaiting confirmation. I can send along a photo of the vessel as soon as I get one from the team

Please let us know if you need anything else and please provide confirmation that work can proceed in Canadian waters or a copy of the license or as soon as it is available.

Thanks,

Lynne

039, KILLER WHALE

AUTHORIZATION TO DISTURB A MARINE MAMMAL AND TAKE BIOLOGICAL SAMPLES OF A MARINE MAMMAL

PURSUANT TO SECTION 38 OF THE *MARINE MAMMAL REGULATIONS*, SECTION 52 OF THE *FISHERY (GENERAL) REGULATIONS*, AND SECTION 74 OF THE *SPECIES AT RISK ACT*, THIS AUTHORIZATION IS HEREBY GIVEN TO THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TO DISTURB A MARINE MAMMAL AND TAKE BIOLOGICAL SAMPLES OF A MARINE MAMMAL. THE AUTHORIZATION IS VALID ANYWHERE IN CANADIAN FISHERIES WATERS IN THE PACIFIC OCEAN WHERE FISHERIES AND OCEANS CANADA (DFO) ADMINISTERS THE AQUATIC RESOURCES AND OCEAN SPACE.

THE AUTHORIZATION IS VALID ONLY IN ACCORDANCE WITH THE FOLLOWING CONDITIONS SPECIFIED PURSUANT TO SUBSECTION 38(2) OF THE *MARINE MAMMAL REGULATIONS*:

1. THE OPERATIONS AUTHORIZED UNDER THIS AUTHORIZATION WILL INCLUDE THE FOLLOWING:

I) INTERACTING WITH A MARINE MAMMAL INCLUDING KILLER WHALES FOR THE PURPOSES OF;

1. RESPIRATORY SAMPLES WILL BE COLLECTED VIA PETRI DISHES MOUNTED ON THE END OF A CARBON FIBER POLE HELD JUST OVER THE BLOWHOLE. THE VESSEL CLOSELY APPROACHES THE WHALE TO WITHIN THE REACH OF THE POLE (5 METERS OR LESS), PERPENDICULAR TO THE WHALE, AND THE POLE IS LOWERED OVER THE BLOWHOLE TO CATCH THE EXPIRED AIR. RESPIRATORY SAMPLES TAKEN WILL BE ANALYZED FOR POTENTIAL PATHOGENS AND OTHER HEALTH INDICATORS USING CYTOLOGY, CULTURE AND MOLECULAR METHODS.
2. FECAL SAMPLES WILL BE COLLECTED OPPORTUNISTICALLY WHENEVER POSSIBLE WHEN VISUALLY DETECTED FLOATING ON THE WATER. FECAL SAMPLES COLLECTED THIS WAY CAN YIELD ANALYSES OF NUTRITION, HORMONES (E.G., STRESS, REPRODUCTIVE), TOXINS, AND DNA (TO IDENTIFY SUBJECT WHALE AND PREY SPECIES). SMALL FECAL SAMPLES WILL BE COLLECTED ON STERILE GAUZE SEALED IN ZIP LOCKS AND PLACED IMMEDIATELY IN COOL STORAGE. LARGER FECAL SAMPLES WILL BE COLLECTED IN TUBES AND IMMEDIATELY PLACED IN A COOLER.
NOTE: WHILE ALL EFFORTS WILL BE MADE TO COLLECT FECES FROM J-50, IDENTIFICATION OF WHICH ANIMAL DEFECATED IS NOT ALWAYS IMMEDIATELY POSSIBLE IN THE FIELD, AND ANY AVAILABLE SAMPLE WILL BE COLLECTED.
3. MUCUS SAMPLES WILL BE COLLECTED OPPORTUNISTICALLY WHENEVER POSSIBLE WHEN VISUALLY DETECTED FLOATING ON THE WATER. MUCUS SAMPLES CAN YIELD ANALYSES OF HORMONES AND PATHOGENS, AMONG OTHERS. MUCUS SAMPLES WILL BE COLLECTED ON STERILE GAUZE AND PLACED IN COLD STORAGE.
NOTE: WHILE ALL EFFORTS WILL BE MADE TO COLLECT MUCUS FROM J-50, IDENTIFICATION OF WHICH ANIMAL THE MUCUS IS FROM MAY NOT ALWAYS BE IMMEDIATELY POSSIBLE IN THE FIELD, AND ANY AVAILABLE SAMPLE WILL BE COLLECTED.
4. IF SKIN DISCOLORATIONS OR ABNORMALITIES ARE OBSERVED (AS HAS BEEN PREVIOUSLY NOTED CAUDAL TO THE BLOWHOLE AND ON THE FLUKES), SKIN SAMPLES WILL BE OBTAINED THROUGH A ROUGHENED COLLECTOR (DISH SCRUBBIE OR SIMILAR) ON THE END OF A 5 M POLE. THE VESSEL CLOSELY APPROACHES THE WHALE TO WITHIN THE REACH OF THE POLE (5 METERS OR LESS), PERPENDICULAR TO THE WHALE, AND THE POLE IS LOWERED INTO CONTACT WITH

THE DISCOLORED SKIN. SKIN SCRAPE SAMPLES WILL BE ANALYZED TO IDENTIFY POTENTIAL PATHOGENS.

5. VETERINARY HEALTH ASSESSMENT IS CONDUCTED VISUALLY BY A VETERINARIAN, WITH PHOTO AND VIDEO DOCUMENTATION. THIS ASSESSMENT WILL LIKELY BE CONDUCTED SIMULTANEOUSLY WITH THE CLOSE APPROACHES TO COLLECT THE SAMPLES LISTED ABOVE, AND WOULD LIKELY NOT REQUIRE ADDITIONAL APPROACHES. HEALTH ASSESSMENT WILL INCLUDE OBSERVATIONS OF BODY CONDITION AND BEHAVIOR, FROM VARIOUS MARINE VESSELS, DRONE OBSERVATIONS, AND FROM SHORE (WHEN POSSIBLE). PHOTOS (HIGH RESOLUTION) AND VIDEO (1080P AND GREATER RESOLUTION) WILL BE COLLECTED FROM ALL PLATFORMS UTILIZED, AND IMAGES WILL BE USED FOR COMPARISONS AND ONGOING ASSESSMENT. BEHAVIORAL PATTERNS WILL BE MONITORED AS OFTEN AS POSSIBLE THROUGHOUT THE RESPONSE. BEHAVIORAL ETHOGRAMS MAY BE DEVELOPED FOR THIS PURPOSE WITH A DEDICATED OBSERVER COLLECTING THIS DATA FOR FUTURE ANALYSIS. PARAMETERS THAT WILL BE MONITORED AND RECORDED INCLUDE:

- RESPIRATORY RATE (# RESPIRATIONS/5 MINUTES)
- BLOW ODOR
- DEFECATION FREQUENCY
- POSITION AND DISTANCE RELATIVE TO J16 (OR OTHER CLOSELY ASSOCIATED POD MEMBERS)
- FORAGING ACTIVITY; % TIME SPENT LOGGING

6. INITIAL MEDICAL TREATMENT VIA DELIVERY OF ANTIBIOTICS BY INJECTION, EITHER VIA POLE SYRINGE OR REMOTE DELIVERY DART SYSTEM. INJECTIONS WILL BE ADMINISTERED INTO THE EPAXIAL OR OTHER LARGE MUSCLE MASS. NEEDLE LENGTH WILL BE APPROXIMATELY 2". ALL INJECTIONS WILL BE SUPERVISED BY A VETERINARIAN. MEDICATIONS LIST IN ORDER OF PRIORITY (AS ADVISED BY VETERINARY TEAM). THE ANTIBIOTICS ON THIS LIST ARE INTENDED TO ADDRESS THE RANGE OF BACTERIAL INFECTIONS J50 IS SUSCEPTIBLE TO.

- 2000-3000MG CONVENIA, SQ OR IM ONCE (600KG X 5 MG/KG) - ONE DOSE WOULD PROVIDE 7-14 DAYS EFFICACY; OR
- 2000-3000 MG EXCEDE SQ OR IM ONCE (600KG X 5 MG/KG) - ONE DOSE WOULD PROVIDE 5-10 DAYS EFFICACY

*ANTIBIOTIC DRUG CHOICE MAY CHANGE BASED ON DIAGNOSTIC FINDINGS. ANY NEW DRUG CHOICES & DOSAGES WILL BE PROVIDED TO DFO AS NEEDED PRIOR TO USE.

II) APPROACHING A KILLER WHALE WITH A VEHICLE WITHIN A DISTANCE OF LESS THAN 200 METRE DISTANCE;

III) DOCUMENTATION AND PHOTOGRAPHY OF MARINE MAMMALS;

IV) THE COLLECTION OF ANY BIOLOGICAL SAMPLES REQUESTED FROM FISHERIES AND OCEANS CANADA.

1. COLLECTION OF BREATH/BLOW SAMPLE
2. COLLECTION OF FECAL SAMPLE

3. COLLECTION OF OTHER SAMPLES OPPORTUNISTICALLY AVAILABLE (E.G., MUCUS AND SKIN)
4. IF SKIN DISCOLORATION IS NOTED, COLLECTION OF SKIN SCRAPINGS FROM DISCOLORED AREA
5. COMPLETION OF A VISUAL VETERINARY HEALTH ASSESSMENT AND PHOTO/VIDEO DOCUMENTATION
6. PROVIDING ANTIBIOTIC TREATMENT FROM THE NWFSC BOAT VIA POLE SYRINGE OR REMOTE DELIVERY.

ALL SAMPLES WILL BE COLLECTED BY A RESPONSE TEAM ON A SINGLE BOAT (A NOAA VESSEL). THE COMPOSITION OF THE TEAM WILL VARY DEPENDING UPON THE DAY, BUT A COMPLETE LIST OF POTENTIAL PERSONNEL IS LISTED.

2. THE AUTHORIZED PERSONNEL FOR THE ABOVE OPERATIONS SHALL BE AS FOLLOWS:

LEAD DR. TERRI ROWLES,
THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.

RESPONSE TEAM MEMBERS

DR. JOE GAYDOS (SEADOC) HEALTH ASSESSMENT INCLUDING DIAGNOSTICS AND MEDICAL TREATMENT

DR. JIM MCBAIN (SEA WORLD) HEALTH ASSESSMENT INCLUDING DIAGNOSTICS AND MEDICAL TREATMENT

DR. HENDRIK NOLLENS (SEA WORLD) HEALTH ASSESSMENT INCLUDING DIAGNOSTICS AND MEDICAL TREATMENT

DR. MARTIN HAULENA (VANCOUVER AQUARIUM) HEALTH ASSESSMENT INCLUDING DIAGNOSTICS AND MEDICAL TREATMENT

DR. BRAD HANSON (NOAA) SAMPLE COLLECTION AND VESSEL DRIVER

CANDICE EMMONS (NOAA) SAMPLE COLLECTION AND VESSEL DRIVER

JEFF FOSTER (WHALE SANCTUARY PROJECT) SAMPLE COLLECTION AND VESSEL DRIVER

KATY FOSTER (WHALE SANCTUARY PROJECT) SAMPLE COLLECTION AND VESSEL DRIVER

TREVOR FOSTER (RESEARCH TECH) SAMPLE COLLECTION AND VESSEL DRIVER

*A STAFF MEMBER WILL BE IDENTIFIED FOR PHOTO AND/OR VIDEO DOCUMENTATION.

ACTIVITIES CARRIED OUT UNDER THE AUTHORITY OF THIS AUTHORIZATION SHALL ONLY BE CONDUCTED UNDER THE DIRECT SUPERVISION OF THE AUTHORIZATION HOLDER OR AUTHORIZED INDIVIDUALS AS LISTED ABOVE. THE AUTHORIZATION HOLDER IS RESPONSIBLE TO ENSURE THAT AN AUTHORIZED INDIVIDUAL IS PRESENT DURING ANY ACTIVITY AUTHORIZED UNDER THIS AUTHORIZATION.

3. THE RESPONSE ACTIVITY SHALL TAKE PLACE IN THE WATERS OF THE PACIFIC REGION THAT ARE PARTS OF AREAS UNDER THE ADMINISTRATION OF DFO;
4. THE FOLLOWING DFO REGIONAL STAFF SHALL BE ADVISED IMMEDIATELY ON COMMENCEMENT OF ANY OPERATIONS: PACIFIC REGION: PAUL COTTRELL (604) 240-3841
5. AN INCIDENT REPORT SHALL BE MADE DETAILING SPECIES IDENTIFICATION, EFFORTS MADE TO SAVE THE ANIMAL, CONDITION OF THE ANIMAL AT THE COMMENCEMENT AND AT THE END OF THE OPERATION, LOCATION (COORDINATES) OF THE OPERATION, NAMES OF ALL INVOLVED IN THE OPERATION, ANY OTHER OBSERVATIONS RELEVANT TO INCIDENT;
6. A QUARTERLEY REPORT INCLUDING LOCATIONS, SPECIES, NUMBERS AND OBSERVATIONS SHALL BE PROVIDED TO DFO PACIFIC REGION REGIONAL COORDINATOR:
PAUL COTTRELL, PAUL.COTTRELL@DFO-MPO.GC.CA
7. THAT A COPY OF THIS AUTHORIZATION SHALL BE CARRIED BY ALL PERSONNEL ENGAGED IN THE RESPONSE OPERATIONS. GOVERNMENT ISSUED IDENTIFICATION DOCUMENTS ARE REQUIRED FOR ANYONE ACTING UNDER THE AUTHORITY OF THIS AUTHORIZATION. THE AUTHORIZATION AND ANY PERSON WORKING UNDER ITS AUTHORITY MUST BE AVAILABLE FOR INSPECTION UPON REQUEST BY A FISHERY OFFICER OR FISHERY GUARDIAN;
8. THE AUTHORIZATION HOLDER MUST HAVE APPROPRIATE, CURRENT LIABILITY INSURANCE AND/OR APPROPRIATE, CURRENT WORKERS COMPENSATION COVERAGE IN PLACE THAT COVERS ACTIVITIES UNDERTAKEN IN ALL PROVINCES COVERED BY THIS AUTHORIZATION THROUGHOUT THE DURATION OF THE CONTRACT. COPIES OF THIS DOCUMENTATION MUST BE PROVIDED TO THE DFO IN ADVANCE OF COMMENCEMENT OF THE AUTHORIZED ACTIVITIES.
9. THE AUTHORIZATION HOLDER AGREES THAT IT IS FULLY LIABLE FOR ANY DAMAGES THAT IT CAUSES TO ANY THIRD PARTY IN CONNECTION WITH ACTIVITIES AUTHORIZED BY THE AUTHORIZATION, REGARDLESS OF WHETHER THE THIRD PARTY MAKES ITS CLAIM AGAINST CANADA OR THE AUTHORIZATION HOLDER. IF CANADA IS REQUIRED, AS A RESULT OF JOINT AND SEVERAL LIABILITY, TO PAY A THIRD PARTY IN RESPECT OF DAMAGES CAUSED BY THE AUTHORIZATION HOLDER, THE AUTHORIZATION HOLDER MUST REIMBURSE CANADA FOR THAT AMOUNT.
10. IF ACTIVITIES AUTHORIZED BY THIS AUTHORIZATION ARE CONDUCTED WHILE ON A DFO VESSEL, THE AUTHORIZATION HOLDER WILL ENSURE THAT PERSONS ENGAGED IN THIS ACTIVITY WEAR APPROPRIATE SAFETY EQUIPMENT DURING THE ENTIRE LENGTH OF THE ACTIVITY. SAFETY EQUIPMENT INCLUDES, BUT MAY NOT BE LIMITED TO, PERSONAL PROTECTION EQUIPMENT THAT MEETS CANADIAN SAFETY STANDARDS.
11. THIS AUTHORIZATION AND CONDITIONS CANCEL AND REPLACE ANY PREVIOUS AUTHORIZATION AND CONDITION ISSUED TO THE US NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION FOR THE PURPOSE OF CONDUCTING RESPONSE OPERATIONS;
13. THIS AUTHORIZATION IS VALID FROM DATE OF ISSUANCE TO OCTOBER 31, 2018;
14. THE ISSUANCE OF THIS AUTHORIZATION IMPLIES NO COMMITMENT BY THE MINISTER OR THE DEPARTMENT TO REISSUE THE AUTHORIZATION.

Moore, Kendra

From: Olson, Heather <Heather.Olson@justice.gc.ca>
Sent: Thursday, August 9, 2018 11:47 AM
To: Gilchrist, Brett
Cc: Moore, Kendra, Cossette, Patrick (DOJ)
Subject: [REDACTED]
Attachments: [REDACTED]

Brett,

[REDACTED]

Heather Olson

Legal Counsel/Avocate
Legal Services Fisheries and Oceans/*Services juridiques Pêches et Océans*
Centennial Towers/*Tour du Centenaire*
200 Kent Street, Room 800/200, rue Kent, 8e étage
Ottawa, Ontario K1A 0E6
Tel/tél 613-990-8520
Fax/téléc 613-990-9385
Email/courriel heather.olson@justice.gc.ca

From: Gilchrist, Brett [mailto:Brett.Gilchrist@dfo-mpo.gc.ca]
Sent: Thursday, August 09, 2018 11:43 AM
To: Olson, Heather <Heather.Olson@justice.gc.ca>
Cc: Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>, Cossette, Patrick <Patrick.Cossette@justice.gc.ca>
Subject: [REDACTED]

[REDACTED]

From: Olson, Heather [mailto:Heather.Olson@justice.gc.ca]
Sent: August-09-18 11:36 AM
To: Gilchrist, Brett
Cc: Moore, Kendra; Cossette, Patrick (DOJ)
Subject: [REDACTED]

Protected/Solicitor-Client Privilege, Our file no. DFO-4080-M100-01

Brett,

Heather Olson

Legal Counsel/*Avocate*

Legal Services Fisheries and Oceans/*Services juridiques Pêches et Océans*

Centennial Towers/*Tour du Centenaire*

200 Kent Street, Room 800/200, rue Kent, 8e étage

Ottawa, Ontario K1A 0E6

Tel/tél 613-990-8520

Fax/télé 613-990-9385

Email/courriel heather_olson@justice.gc.ca

s.21(1)(a)

s.21(1)(b)

s.23

From: Gilchrist, Brett [<mailto:Brett.Gilchrist@dfo-mpo.gc.ca>]

Sent: Thursday, August 09, 2018 11.04 AM

To: Olson, Heather <Heather.Olson@justice.gc.ca>

Cc: Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>, Cossette, Patrick <Patrick.Cossette@justice.gc.ca>

Subject

Excellent Thanks very much Heather

Thanks

brett

**Pages 281 to / à 284
are withheld pursuant to sections
sont retenues en vertu des articles**

21(1)(b), 23, 21(1)(a)

**of the Access to Information Act
de la Loi sur l'accès à l'information**

Lacroix, Marc-André

From: Lowe, Carmel
Sent: Friday, August 10, 2018 10:10 AM
To: McPherson, Arran; Laverdure, Louise; Nadeau, Simon
Cc: Webb, Cheryl
Subject: Fw: J50 Comms Updates -- Thursday's efforts.

Fyi

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Sent: Friday, August 10, 2018 06:39
To: Thomson, Andrew; Davis, Neil; Lowe, Carmel
Cc: Cottrell, Paul; Thornton, Sheila; Sloan, Lara; Bate, Dan; Antcliffe, Bonnie; Reid, Rebecca; Kaba, Kyle
Subject: Fw: J50 Comms Updates -- Thursday's efforts.

Good morning,
Please see below summary of yesterday's intervention with J50 that was sent to NHQ.

Consideration for today's call: Vancouver Aquarium veterinarian Marty Haulena will give details of the engagement with J50. Next step is to determine whether to proceed with trial feeding depending on conditions and the location of J pod.

We propose to have Andy, Paul and Sheila as spokes on the NOAA\DFO 10 am call again today

Based on other media coverage. I would anticipate questions around J35 and what options is the Government considering to come up.

Thanks.

L

From: Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>
Sent: Friday, August 10, 2018 4:03 AM
To: Morris, Christina; Smith, Kathleen; Northcott, Jennifer; Burns, Adam; Gilchrist, Brett; Jenkins, Randy; Moore, Kendra; Girouard, Louise; Saindon, Carole; Bate, Dan; McElhone, Kathryn; Geraldine, Betty; Wiebe, Robert; Hinds, Kimberly; Lapointe, Sylvie; Patrick, Lindsey; Scott, Paul G
Subject: FW: J50 Comms Updates -- Thursday's efforts.

FYI - Last evening's activities on social media.

We retweeted NOAA's tweet from the PAC twitter account.

Thanks AJ

From: Michael Milstein - NOAA Federal [michael.milstein@noaa.gov]

Sent: August 10, 2018 1:33 AM

To: Anderson, Laura

Cc: Girouard, Louise; Jim Milbury - NOAA Federal; Jackson, Ashley; Ruth Howell - NOAA Federal


Subject: Re: Updates on today's efforts.

Here is our FB post.

NOAA Fisheries West Coast
Published by Michael Milstein [?] · 6 mins · 🌐

J50/Scarlet Update (8/9): Progress! Response teams today reached J Pod in Canadian waters and followed them into U.S. waters near San Juan Island. While very skinny and small, J50 / Scarlet kept up well with her mother and siblings. Veterinarian Marty Haulena from the Vancouver Aquarium got a thorough look at her and the team obtained a breath sample that will help assess any infection. They also administered a dose of antibiotics through a dart. Next step is to determine whether to proceed with trial feeding, depending on conditions and the location of the whales. Great work by the teams on the water! Stay tuned for further updates here and on our website at bit.ly/NOAAJ50J35

Photo: Biologists collected an earlier breath sample from J50 on July 21.
Photo by Katy Foster/NOAA Fisheries, taken under permit 21368.



They reached the whales and followed them into US waters near San Juan Island. Marty Haulena, the vet from Vancouver Aquarium, completed a thorough assessment and said J50, although very skinny and small, was keeping up well with her mother and siblings. They collected a blow sample and delivered a dose of antibiotics through a dart. They will determine whether to proceed with feeding trial tomorrow, depending on conditions and the location of the whales.

Girouard, Louise

From: Forbes Darby - NOAA Federal [REDACTED]
Sent: Friday, August 10, 2018 1 50 PM
To: Kurt Russo, [REDACTED]
 [REDACTED] Deborah Giles. PhD.
 [REDACTED] Katy Foster,
 [REDACTED] Jim McBain, RHQ - Media PAC,
 Girouard, Louise, Malikian, Janine, Anthony Hillaire, Michael Mountain, Sloan, Lara
Cc: Amilee Wilson - NOAA Federal, Ruth Howell - NOAA Federal, Sarah Mesnick - NOAA
 Federal, Michael Milstein - NOAA Federal, Jim Milbury - NOAA Federal
Subject: Draft J50/Scarlet Facebook Post - for your review

Good afternoon all,
 Would you please take a look at the following Facebook post?

We've seen some questions on Facebook about who's a part of the response effort. We went ahead and drafted a post, thinking we could use this time as we wait for a report from the field teams later today,

You'll see we've tagged each of your organizations. We wrestled with the wording here to be as inclusive as possible, I know it's not perfect. Please let me know if you see any red flags or inaccuracies that you'd like corrected.

We'd like to get this up by 4pm - before our evening update. Let me know if that seems unreasonable.

Thanks for your consideration.

Forbes

DRAFT FACEBOOK POST FOR 8/10

Undertaking this unprecedented effort responding to J50 / Scarlet requires a large, diverse, and dedicated group working both on-the-water and behind-the-scenes. Many of you asked to know more about the responders. The team draws on the world's top experts from governments, tribes, academia, and non-profit groups, who have deep connections and years of experience with these whales.

While we're intensely focused on the health of J50 / Scarlet and J35 / Tahlequah right now, the response team members work year-round on long-term solutions to the threats facing these whales and their ecosystem -- pollution, vessel traffic and noise, and prey availability (e.g., salmon). Helping these whales back from the brink of extinction will take us all working together. A big shout out to every member of the response team for their contributions to the response and for their long-term commitment to protecting and recovering the Southern Residents. Our [website](#) has more information about the response team members and ways you can help these whales.

[@CenterForWhaleResearch](#)
[@FisheriesOceansCanada](#)
[@UofWA](#)
[@KingCountyWA](#)

[@lummicomunications](#)
[@SeaDocSociety](#)
[@SeaWorld](#)
[@sealifer3](#)
[@whalesanctuaryproject](#)
[@wildorcaorg](#)
[@TheWhaleMuseum](#)
[@WashingtonFishWildlife](#)
[@vanaqua](#)

On Fri, Aug 10, 2018 at 9:30 AM, Forbes Darby - NOAA Federal [REDACTED] wrote:

Good morning,

Just a quick update on today's communication plans

Situation Report:

We hear reports the pod was sighted on the West side of San Juan Island. As you know this is a popular location. We'd like to reiterate the message encouraging the public give the response teams the space to do their work.

Also, if anyone has naturalists or on-the-ground staff who might be available to go to Lime Kiln State Park or other good shore-based viewing locations in the area, please let us know. This could be a good opportunity to provide the public with a sense of the response effort underway. Let us know if you'd need help briefing them up on the current operations

In terms of the response team, today will be a dynamic situation. The field team will make a decision about their approach today based on a number of factors (pod behavior, weather conditions, and others). The Lummi are prepped and standing by should the decision be made to do a live fish trial.

Comms Plan:

Today's 10am media call will focus on J50 and yesterday's activities. On the call will be Dr. Martin Haulena from the Vancouver Aquarium who was on-scene yesterday. Also on the call will be representatives from NOAA Fisheries and DFO. As always, the audio from these briefings will be available on the [response website](#).

We plan to post updates on our webpage and Facebook when we get a report from the team. So likely later today. We may also put something out in the interim asking for the public's cooperation in staying away from the response efforts.

There are a few new photos on our [Flickr](#) and [B-roll](#) pages. Most courtesy of Katy Foster (The Whale Sanctuary). Please feel free to use those and use the captions provided. We anticipate loading more as the response team shares those with us hopefully later today.

Also, worth noting is that there are some media, including [REDACTED] from the Seattle Times, on-the-water today in a support boat capturing video and photographs.

We continue to get media interest in J35 and her calf. We have at least two subject matter experts identified to help field those inquiries - Dr. Dawn Noren (NOAA Fisheries) and Dr. Lori Marino (Whale

Sanctuary Project) Please let us know if you need help connecting with them Again, Jim Milbury and Michael Milstein are our go-to public affairs officers (they are cc'd here)

Stand by for updates throughout the day. And in the meantime, please let me know how I can help.

Forbes

c: [REDACTED]

Working Communications Plan

On Thu, Aug 9, 2018 at 10:19 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:

Good evening all,

The teams have reported from the field with some positive progress. Below is a cleared statement we put together based on the team's debrief We will get this up on [Facebook](#) and our [website](#) as soon as we can Please feel free to share or use this information in your communications.

Forbes

J50/Scarlet Update (8/9): Progress! Response teams today reached J Pod in Canadian waters and followed them into U S waters near San Juan Island. While very skinny and small, J50/Scarlet kept up well with her mother and siblings. Veterinarian Marty Haulena from the Vancouver Aquarium got a thorough look at her and the team obtained a breath sample that will help assess any infection. They also administered a dose of antibiotics through a dart. Next step is to determine whether to proceed with trial feeding, depending on conditions and the location of the whales. Great work by the teams on the water! Stay tuned for further updates here and on our website at bit.ly/NOAAJ50J35

On Thu, Aug 9, 2018 at 6:00 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:

Good evening Kurt and others,

We're hearing that the teams are on J pod right now. Details are very incomplete and sketchy at this point as they're busy doing their work.

We are waiting for the teams to report in from the field about what was accomplished today. We don't know what time that may be. As soon as we get some clarity around that, we will share that update with you and likely post an update to Facebook later tonight

Let me also mention that those who are directly involved in today's on-the-water effort (including Martin Haulena from Vancouver Aquarium) will be on tomorrow's 10am media call and available to answer questions.

Stay tuned..

Forbes

[REDACTED]

On Thu, Aug 9, 2018 at 5:22 PM, Kurt Russo <[REDACTED]> wrote:

Does anyone in this loop know the status of efforts with J-50 as of 1720 tonight?

Lummi Nation

From: Forbes Darby - NOAA Federal [mailto: [REDACTED]]
Sent: Thursday, August 09, 2018 12:17 PM
To: [REDACTED] Deborah Giles, PhD;
[REDACTED] Kurt Russo; [REDACTED]
Katy Foster; [REDACTED] Amilee Wilson - NOAA Federal; Ruth Howell - NOAA Federal; Michael Milstein - NOAA
Federal; Jim Milbury - NOAA Federal; [REDACTED] Jim McBain; media.pac@dfo-mpo.gc.ca;
Anthony Hillaire; Sarah Mesnick - NOAA Federal; Grouard, Louise; Janine.Malikian@dfo-mpo.gc.ca
Subject: J50/Scarlet Communications Coordination Daily Update 8/9

Good afternoon,

Thank you again for taking the time to join yesterday's communication coordination call. One of my commitments to you was to share an update on our planned communication activities for the day. I realize it's already after noon. I will aim to get you these updates earlier in the coming days to be more useful for planning your activities.

Media Coverage Summary

We're seeing intense media interest from both national and local outlets in the US and Canada. The focus in the past 24 hours has been about plans and logistics to respond to J50/Scarlet, including some discussion of weather conditions hampering efforts and cross-border coordination and permitting approvals in Canada. There has also been coverage of the recent sighting updates of J pod. This includes coverage and inquiries from major outlets including the Today Show, Seattle Times, and People magazine of J35/Tahlequah who was re-spotted still carrying her calf

Social Media Summary

Last night's post about DFO spotting J50/Scarlet and J35/Tahlequah reached 73,000 people at last count. Engagement with our posts is up 839% in the last week, according to Facebook, and we have reached 100,000 people in the last week, up 700% compared to the previous week. We've analyzed the sentiment (see attached) It's split between expressions of gratitude and a desire to see more action

Planned Daily Communication Activities

Media call @ 10:00am

Speakers

- Paul Cottrell, DFO

- Andrew Thompson, DFO
- Sheila Thorton, DFO
- Brad Hanson - NOAA Fisheries
- Dawn Noren, NOAA Fisheries

Key Messages:

1. DFO spotted J pod yesterday, including J50/Scarlet and J35/Tahlequah still carrying her deceased calf. The search continues for the whales today.
2. The response team is ready to respond as soon as the pod is within range, and conditions allow them to reach the pod and assess J50's condition. We will also monitor the condition of J35/Tahlequah.
3. If a decision is made to feed J50/Scarlet, we would do so as a way to introduce medicine to treat an infection and not provide nutrition.
4. While we're all focused on J50/Scarlet and J35/Tahlequah now, we must also continue those long-term actions that will truly recover these whales. So there is much more to this story, and we're here to help you also pursue other angles, such as the massive effort to restore habitat for salmon, the pharmaceuticals and other contaminants found in Puget Sound salmon the whales eat, and research on how vessel noise affects the whales.

Note

We expect there to be significant interest in J35/Tahlequah and her dead calf today, especially if there are few updates related to J50. *We're identifying NOAA Fisheries experts who can speak to this bereavement behavior and would be happy to direct media to any of your experts for a richer perspective. Just let me know who those might be*

Audio recordings of the media call are available on our [emergency response website](#).

Website Update and Social Media Post

We're working on a couple of website and social media posts for today.

1. We'll post an update from the field when that comes in, likely later today.

2. In the meantime, we are working on a post to address a misconception that we will be feeding J50/Scarlet for nutrition. At this stage, the experts in the field are assessing her condition and the behavior of the pod. After that is complete, the response team may - with help from the Lummi - attempt to feed her Chinook salmon as a way of introducing medicine, and not to supplement her diet.

Next Steps

Should there be breaking news, I'll coordinate with you on those updates as we get that information. Please do the same with this group if you have activities planned. In the meantime, please let me know how we can help or if you'd like to talk about any idea.

Again, please feel free to direct media inquiries on the response to Jim Milbury [REDACTED] And per yesterday's call, please direct media questions related to the Lummi to Tony Hillaire [REDACTED]

Thank you and talk with you soon.

Forbes

--

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

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Cell [REDACTED]

Girouard, Louise

From: Girouard, Louise
Sent: Friday, August 10, 2018 12:31 PM
To: Jim Milbury - NOAA Federal
Subject: RE: Touching base on an update regarding J-50

Next media call Monday?? ☺

From: Jim Milbury - NOAA Federal [REDACTED]
Sent: Friday, August 10, 2018 12:25 PM
To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Cc: Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; RHQ - Media.PAC <Media.PAC@dfo-mpo.gc.ca>
Subject: Re: Touching base on an update regarding J-50

Will do, thank you!

Jim Milbury
Public Affairs Officer
NOAA Fisheries West Coast Region
501 W. Ocean Blvd / Suite 4200
Long Beach, CA 90802
Office 562-980-4006
Mobile [REDACTED]



NOAA FISHERIES

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www.westcoast.fisheries.noaa.gov

"The field of science needs to communicate with the general public, because the ultimate goal of science is to do good, to gain knowledge, to understand and discover things that are ultimately for the good of mankind." Dr. Anthony S. Fauci, Director NIAID

On Fri, Aug 10, 2018 at 11:08 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:

Jim,

Could you please add [REDACTED] to your distribution list regarding media updates for J50.

Much appreciated.

L

From: [REDACTED]
Sent: August-10-18 9:44 AM
To: Sloan, Lara; RHQ - Media.PAC
Subject: RE: Touching base on an update regarding J-50

Thanks.

Can you please add me to your media email list for this?

I would like to receive these advisories and any other ones.

Thank you

From: Sloan, Lara [<mailto:Lara.Sloan@dfo-mpo.gc.ca>]
Sent: Friday, August 10, 2018 9:43 AM
To: [REDACTED] RHQ - Media.PAC
Subject: RE: Touching base on an update regarding J-50

Hi [REDACTED] Please call in to the media briefing for a full update.

MEDIA ADVISORY

NOAA Fisheries and DFO will hold a media teleconference today at 10 a.m. Pacific Time to discuss the emergency response to support J50, an endangered Southern Resident killer whale.

When: 10 a.m. Pacific Time

Call-in number: 888-566-6311

Participant Passcode: 4722284

We ask that the call please be limited to working media.

Please visit [NOAA Fisheries West Coast](#) for the latest updates, photos, and information.

Any new photos will be posted in our [dedicated Flickr album](#).

Girouard, Louise

From: Girouard, Louise
Sent: Friday, August 10, 2018 9 31 AM
To: Michael Milstein, Jim Milbury - NOAA Federal
Cc: Sloan, Lara
Subject: FYI call this morning

Andrew Thomson and Eddy Kennedy will be joining me this morning for the pre brief as we have questions regarding the proposal for feeding J50 if found today in Canadian waters.

Jenkins, Randy

From: Jenkins, Randy
Sent: Friday, August 10, 2018 1 16 PM
To: Burns, Adam, Day, Robert, Lapointe, Sylvie
Subject: FW: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50
Attachments: Proposal For Emergency Response To Provide Medication And Supplemental Nutrition To J50 pdf

FYI

From process perspective, if DFO accepts to add this as authorized activity, Region could just add it to the authorization as an approved activity (it would fall under the same category of "disturbance").

From: Moore, Kendra
Sent: Friday, August 10, 2018 12 39 PM
To: Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>; Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>, Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Subject: FW: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

From: Davis, Neil
Sent: August-10-18 12:26 PM
To: Moore, Kendra
Subject: FW: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

From: Cottrell, Paul
Sent: August 8, 2018 7:47 AM
To: Davis, Neil; Thomson, Andrew
Cc: Lowe, Carmel; Thornton, Sheila
Subject: FW: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Hi All,
Latest proposal on NOAA and partner activities related to chinook feeding trials fyi.

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Kristin Wilkinson - NOAA Federal [kristin.wilkinson@noaa.gov]
Sent: Wednesday, August 08, 2018 6:51 AM
To: Thornton, Sheila; Cottrell, Paul
Cc: Lynne Barre; Teri Rowles; Sarah Wilkin - NOAA Federal
Subject: Fwd: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50

Sheila and Paul,

We have received a revised proposal from The Whale Sanctuary Project. The updated version is attached here.

In summary, providing temporary nutritional support of J50 would be done first through a live fish release trial by one vessel and through a chute in the vicinity of J50, likely 50-100 yards in the front of her path. If she does take live fish then the next step will be taken to provide oral medications in the fish such as antibiotics and an anti fungal. This drug combination would address a range of bacterial infections J50 is susceptible to

I apologize that I was not on the call yesterday. I am in the San Juans and spent the entire day with the core response team in discussions of this proposal and outlining future response goals.

Kristin

----- Forwarded message -----

From: **Katy Foster** [REDACTED]
Date: Tue, Aug 7, 2018 at 10:06 PM
Subject: Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50
To: Lynne Barre - NOAA Federal [REDACTED] Teri Rowles <[REDACTED]>
[REDACTED] Kristin Wilkinson - NOAA Affiliate <[REDACTED]>
Cc: [REDACTED] jeff foster
[REDACTED] Deborah Giles [REDACTED] Joseph Karl Gaydos
[REDACTED] Martin Haulena <[REDACTED]>, Brad Hanson
[REDACTED], Candice Emmons - NOAA Federal <[REDACTED]> Sam Wasser
[REDACTED]


H1 Everyone -

Attached is a finalised Proposal For Emergency Response To Provide Medication & Supplemental Nutrition To J50.

All the best,
Jeff & Katy Foster

--

Kristin Wilkinson
NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle
Regional Stranding Coordinator, Washington & Oregon
206-526-4747 Office
 Cell

s.19(1)

Error! Filename not specified.

Proposal For Emergency Response To Provide Medication And Supplemental Nutrition To J50

Prepared by Jeff Foster ¹, Katy Foster ¹, Dr. Brad Hanson³, Dr. Hendrik Nollens ², Dr. Deborah Giles^{4,5},

Dr. Joe Gaydos⁶, Dr. Martin Haulena⁷, Candice Emmons³

1-Whale Sanctuary Project, 2-SeaWorld, 3-NOAA, 4-UW Center For Conservation Biology, 5-Wild Orca, 6-SeaDoc,

7-Vancouver Aquarium

Disclaimer: This is a fluid situation and we need to pledge that the plan remains flexible and adaptable to all circumstances that arise, while keeping in mind the safety and health of all involved.

OVERVIEW

1. Signalment
2. Medical History
3. Current Health Condition
4. Purpose Of Response
5. Phases Of Response
 - a. Phase 1. Health Assessment
 - b. Phase 2. Initial Feeding
 - c. Phase 3. Administer Oral Medication
6. Timeframe
7. Possible Stopping Points
8. Response Partners
9. Response Personnel
10. Documentation
11. Appendix A. (J50 Proposed Health Assessment Of Recovered Blow And Fecal Samples)
12. Appendix B. (J16 Matriline Photo ID)



Fig.1 – "Peanut Head" J50, July 21st, 2018 Katy Foster/NOAA Fisheries

SIGNALMENT

J50 is a member of the SRKW JPod. J50 was first seen in the San Juan/Gulf Island archipelago on the 30th of December 2014 (*Center For Whale Research*), and was estimated by researchers to be 4-10 days old at that time.

J50 has always been considered to be a smaller than average animal for her age. Drone photogrammetry studies by Dr. John Durban, Dr. Holly Fearnbach, and Dr. Lance Barrett-Lennard (Vancouver Aquarium) have document J50's small size for her age since her first year of life. and her notably poorer body condition in 2017.

**J50 had numerous rake marks around her dorsal fin when born. Ken Balcomb has theorized that there could have been a dystocia due to other individuals pulling on her. This is strictly conjecture, but could suggest some early traumatic issue associated with parturition like traumatic diaphragmatic hernia.*

J16 Matriline

J50 is the daughter of J16 (DOB est. 1972) and was most likely born to J16 during one of her last years of reproductive potential. J16 has five prior calves, three of which survived.

J50's siblings are (see photo ID in Appendix B):

J26 – Male (DOB 1991)

J36 – Female (DOB 1999)

J42 – Female (DOB 2007)

J50 is sometimes observed as a satellite animal from her group when the group is in feeding behavior.

MEDICAL HISTORY

Dr. John Durban, Dr. Holly Fearnbach, and Dr. Lance Barrett-Lennard (Vancouver Aquarium) documented J50s notably poorer body condition beginning in 2017. In January 2018, The Center For Whale Research observed further declining body condition as viewed from a boat, noting that J50 began displaying a “peanut-head”. Historically, 11 of 13 southern residents that have displayed this loss of nuchal fat have gone on to die. Further aerial drone collected by Dr. Durban & Dr. Fearnbach on August 1st, 2018, show that J50 is in very poor body condition (fig.2), similar to the measured condition of her cousin J52 before he disappeared in 2017 (fig.3). Additionally these images have documented a white discoloration to the skin behind the head. Researchers from the Center Of Whale Research have also noted deterioration in her body condition in recent weeks.



Fig. 2 Holly Fearnbach/SR3 and John Durban/NOAA

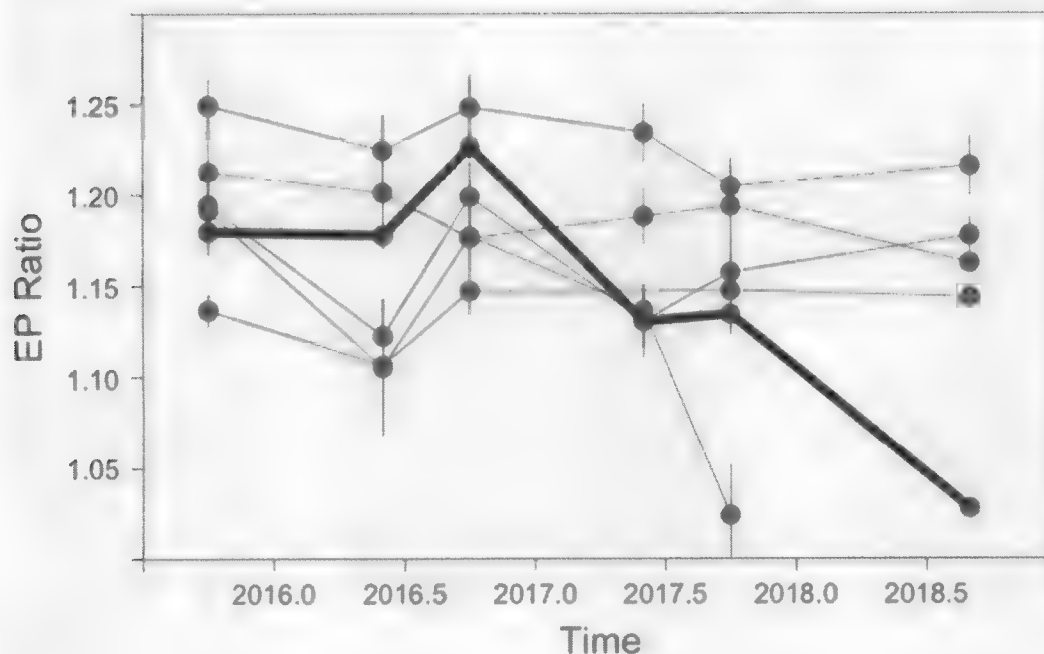


Fig.3: Eye Patch Ratio (EPR; Fearnbach et al. unpublished data) for each of the members of the J16 matriline over repeated photogrammetry measurements from September 2015 until 1 August 2018. Vertical error bars are SD of repeat measurements in each sampling period. Horizontal lines link the same individual over time. J50 is indicated by the black line. J50's EPR has declined to similar levels reached by her cousin (J52) shortly before his death in 2017.

*Eye Patch Ratio (EPR; Fearnbach et al. unpublished data) is a measure of the ratio of the width of the head between a standard point close to the posterior edge of the eye patch relative to the width at the anterior edge. The standard point near the posterior edge was chosen by examining images of emaciated whales, and the ratio basically measures fatness behind the cranium (a robust whale has eye patches that diverge posteriorly and hence the ratio is higher). Dr. Fearnbach is leading a paper on this with which she is working with Dr. John Durban, and ongoing data analyses indicate this EPR measure is their most sensitive measure of body condition, which gives the greatest power (lowest CV in repeat measurements) to detect differences over time.

In early July, Dr. Deborah Giles noted that J50 seemed to display foul smelling breath. Since this observation, J50's breath has been observed oscillating between foul smell and no significant or distinct odor.



Fig.4 – J50 Respiratory Sample July 21st, 2018

Dr. Brad Hanson and a small team obtained a respiratory sample from J50 on July 21st, 2018. The sample was obtained using the protocols for blow and fecal samples listed in Appendix A. The sample yielded a small amount of DNA, of which 4 sequenced sets were obtained. One of these sequence sets was matched to the fungal genus *Exophiala* (Ascomycetes) (known to be an opportunistic pathogen in other species). Another (sub-optimal) sequence set matched to the fungal genus *Cladosporium* (not a well demonstrated pathogen). Due to the small size of this sample, it is necessary to obtain additional samples to better diagnose if J50 is dealing with pathogens that need to be treated.

CURRENT HEALTH CONDITION

- Total length 321cm
- Estimated to be ~20% underweight. Presumed to be dehydrated due to insufficient food volume intake
- Based on extrapolation from SeaWorld morphometric data, J50's current body mass is estimated to be around 508kg.
- White, irregularly shaped macular discoloration present immediately posterior to the blowhole. Differential diagnoses include scarring, yeast (*Candida spp*) or fungal overgrowth, infarction, other.
- Presumed to have pneumonia (primary or secondary)

**Historically, 48% of necropsied SRKWs have had evidence of pneumonia. In 24% of cases, pneumonia was considered the leading cause of death. (Raverty et al., in prep)*

PURPOSE OF RESPONSE

The proposed plan is in response to the deteriorating condition of J50. The goals of this response are:

1. To develop a technique for delivering food fish to J50.
2. To attempt to orally administer antimicrobial medications to J50
3. To test the feasibility of nutrition and hydration supplementation for J50, by supplementing up to 60 lbs of live Chinook salmon to J50 daily (when possible)

This response will serve as a trial for intervening with nutritional supplementation and orally administered medications for compromised SRKW should similar situations arise in the future.

PHASES OF RESPONSE

Phase 1. Health Assessment

In order to understand the health of J50, health assessments are currently being conducted and will continue during this response effort, as well as for a period of time after the response effort as dictated by the outcome and expert opinion. All assessment will be conducted with consultation of NOAA.

Health assessment will include observations of body condition and behavior, from various marine vessels, drone observations, and from shore (when possible). Photos (high resolution) and video (1080p and greater resolution) will be collected from all platforms utilized, and images will be used for comparisons and ongoing assessment. Images collected by drone will be used to estimate body size and evaluate body condition.

Respiratory samples will be taken and analyzed for potential pathogens and other health indicators using cytology, culture and molecular methods. Respiratory samples will be obtained from a NOAA vessel (Hurricane 733). Additional vessels may be used during respiratory sampling as needed. Respiratory samples will be collected via petri dishes mounted on the end of a carbon fiber pole.

Respiratory samples will be processed using the sample processing protocols found in Appendix A.

Mucus samples, skin samples (of abnormalities) will be collected opportunistically.

Fecal samples will be collected whenever possible. Fecal samples will be collected both visually, and utilizing a trained scat detection dog onboard a research vessel. The scat dog can locate KW feces in the marine environment by situating the vessel

perpendicular to the wind, 400m or more from the focal group. Fecal samples collected this way can yield analysis of nutrition, hormones, toxins, DNA, and stress hormones (depending on location of other working vessels).

Small fecal samples will be collected on sterile gauze sealed in zip locks and placed immediately in cool storage. Larger fecal samples will be collected in tubes and immediately placed in a cooler.

Fecal samples will be processed using the sample processing protocols found in Appendix A.

Samples will be opportunistically collected from the close associates of J50.

Behavioral patterns will be monitored as often as possible throughout the response. Behavioral ethograms may be developed for this purpose with a dedicated observer collecting this data for future analysis.

Parameters that will be monitored and recorded include

1. Respiratory rate (# respirations/5 minutes)
2. Blow odor
3. Defecation frequency
4. Position and distance relative to J16 (or other closely associated pod members)s
5. Foraging activity
6. % time spent logging

**If large fecal samples are obtained, excess fecal material will go to Dr. Sam Wasser's laboratory at UW Center For Conservation Biology for further analysis. Excess fecal material is defined by any material left over after all relevant health analysis sample material is obtained.*

Phase 2. Initial Feeding

Initial feeding will be tried using live caught wild Chinook salmon, provided and transported by the Lummi Nation. The goal of the initial feeding will be to see if J50 will accept fish via this delivery method, and to see if we can ensure J50 is the only animal consuming the fish we deliver prior to delivering medication to her. Dietary supplementation will be with fish of the highest quality and fat content available.

The fish will be obtained through reef & purse seine fisheries, rod & reel, or collected as fish return to hatcheries. Care will be taken not to damage fish so that there is minimum die-off in the process.

A sample of the fish being fed will be provided to NOAA for analysis of caloric value. Additionally a scale will be collected from each fish prior to release into the water so that it can later be compared with genotyping done on any scales collected in the path of J50 after feeding.

The fish will be transported by the Lummi Nation's enforcement boat (or similar vessel – see Fig.5), in a 6' diameter by 3' deep circular fish transportation tank. Fresh cold sea water will be circulated in the tank at all times to keep the fish in the best condition possible.



Fig.5 - Lummi Nation boat proposed as fish delivery vessel (or similar).

J50 will be observed at a workable distance prior to the deployment of the fish. Ideal conditions for deployment will be if/when J50 separates from other members of her pod. This will allow for positioning of the fish delivery vessel (FDV) approximately 50-100 meters in front of the animal. The vessel will pace J50's speed and wait for the animal to surface directly behind the boat before attempting to deploy the fish. The FDV will maintain slow or idle speed when within 300 meters of J50 (or any other SRKW).



Fig. 6 – FDV Top View



Fig.7 – FDV Side View

A funneled chute with 8" diameter PVC pipe will be attached to the fish transportation tank. The PVC pipe will extend from the transport tank into the water approximately 12" under the surface and 2-3 feet behind the transom of the boat. Overflow from the tank will be diverted down the chute through the PVC pipe so that when a fish is placed in the chute, the fish can easily slide down the pipe in a constant stream of water. The fish will end up in the bubble slipstream behind the vessel (fig 6 & 7). This method will ensure that there will be minimal damage to the fish, as well as minimize acoustic distinction on which J50 can associate the fish with the FDV.

Fish deployment will be attempted under close observation (via UAV and robust on-water observations from multiple vessel platforms) to confirm whether or not J50 shows interest in and successfully consumes the fish being fed.

A boat will be designated to follow J50 after her period of contact with the fish release area, and attempt to collect scales and other signs of predation that can be genotyped and compared to the fish released.

On the initial attempt, 2-4 fish will be deployed to see how J-50 responds. Although these fish will be disoriented, it is likely that the fish will dive to the bottom, which may lead to difficulties in determining if J50 is consuming the fish (unless obvious foraging behavior is observed). It is important to have confirmation of successful and reliable consumption of deployed fish prior to moving to phase 3.

J50 is likely to shred the fish deployed depending on their size, so it may be possible to add an small number of empty pill capsules to the fish. When she shreds the fish this will allow for the pill bottles to float up to the surface helping to confirm that J50 has consumed the fish. Simultaneously, this will indicated whether pills placed in the fish is an effective deliver method or other methods of medicating the fish should be considered (i.e. she takes the fish but does not consume the pills).

If necessary, the Chinook can be stunned in fresh water to deplete their oxygen and slow them down. Similarly, tail and pectoral fins of the salmon can be trimmed to slow the fish down. Additionally, fish can be marked with things that will pass through J50 so that there may be the opportunity for confirmation of consumption through fecal collection (beads, corn, small tags).

Fecal samples will continue to be collected throughout the feeding effort when the opportunity arises.

Mitigating Boat Association

Ideally, the same vessel will be used as the FDV throughout the response. If feasible, a pinger (designed to play and unique acoustical signature not found in the environment) will be used in association with the FDV to ensure that J50 does not learn to associate non-FDV boats with fish. A pinger will be utilized for in any long duration effort.

Caloric Requirements

The caloric requirement correction factor to use for the difference in behavioral budget between wild and captive killer whales is not known. Food volumes may be more meaningfully extrapolated, because hydration is derived from the food fish. Fish is ~70% water (wt/wt).

The total daily food intake of a 4 yr old female KW at SeaWorld is in the range of 30-35 kg of fish per day, but the mean length of a 4 yr old KW at SeaWorld is ~420 cm. The total daily food intake of a 321 cm long female KW at SeaWorld is in the range of 25-30 kg of fish per day. Based on this, even if caloric requirements are higher by 50% because of activity budget, Dr. Hendrik Nollens would estimate her total daily food intake to be in the 30-40 kg range. Non-spawning Atlantic salmon has close to the same caloric content of herring. Capelin is more lean. Correcting for this diet difference, Dr. Nollens would estimate her total daily food in salmon-only to be around 30kg, and advised that 30-35 kg per day should be a good, close starting point.

Phase 3. Administer Medication & Fish For Hydration & Nutrition

Medication will be administered to J50 dependent on the outcome of the current and planned health assessment. When treatable and safe to do so, bacterial and fungal pathogens will be treated orally, and administered via fish feeding. Treatment for internal parasites will also be considered. All medication will only be administered after it is confirmed through phase 2 that J50 is the sole animal successfully consuming the deployed fish.

If it is determined that J50 is actively and reliably consuming the fish, individual Chinook will be medicated prior to their deployment. It should be noted that medicated fish will not likely live long and medications should only be administered just prior to deployment.

The medication will be administered to the fish under direct veterinary supervision initially. If the oral medication is successfully administered via fish on a repeat and regular basis, the attending veterinarians can train key personnel to supervise administering medication to the fish and proper dosing.

A 6-12" fishing line will be attached to the snout of chin of the medicated fish. The 6-12" line will be 2-4lb test strength line, made of 100% biodegradable material (made by Eagle Claw). A heavier 20-40lb line will connect the 6-12" back to the boat. The heavier line will be secured to the FDV to help keep the fish on the surface so it will be easier to determine that J50 is consuming the medicated fish. This design will allow the lighter 6-12" line to easily break away when there is tension on the line, minimizing the amount of line consumed by J50. This fish tethering method should be re-evaluated and acoustic pinger conditioning should be considered at the first sign of imprinting. The fish tethering method may be discontinued if it is deemed that J50 is reliably taking medicated fish and the risk of other animals consuming the medicated fish can be effectively otherwise mitigated.

**This fish tethering method may be used during phase 2 to confirm that J50 is consuming the deployed fish.*

If unable to administer medication orally via live fish, or deemed not in the best interest of the animal to attempt, the alternative of injectable medication will be considered. Injections will be administered via either pole syringe or remote delivery dart system into the epaxial or other large muscle mass. All injections will be supervised by a veterinarian.

If deemed medically appropriate, throughout phase 3 fish will be given with the intent to provide nutrition and hydration. The amount of fish provided will continue to be determined by her caloric needs as advised by the veterinarians (refer to *Caloric Requirements* section in Phase 2), and the availability of live Chinook. Once medication has been successfully administered, nutrition and

hydration needs will be re-evaluated by the veterinarians, informing the decision on whether to continue supplemental feeding efforts and for how long.

Medications & Dosage

Medications List In Order Of Priority (*as advised by Dr. Hendrik Nollens*)

ORAL

1. 5,250 mg levofloxacin, orally, once daily. (e.g. 7 x 750 mg Levaquin tablets)
2. 150 mg voriconazole, orally, once daily (e.g. 3 x 50 mg Vfend tablets)
3. 8,000 mg amoxicillin (without clavulanic acid), orally, once daily (e.g. 16 x 500 mg amoxicillin tablets)

INJECTABLE

1. 3000mg Convenia, SQ or IM once (600kg x 5 mg/kg)
2. 3000 mg Excede SQ or IM once (600kg x 5 mg/kg)

**Cytologic analysis of the white patch behind J50's blowhole may indicate that the antimycotic voriconazole (#3) is not warranted.*

MITIGATION FOR OPERATIONAL DISTURBANCE

Local whale watching vessels will be notified (via the PWWA) and asked to avoid the area when feeding efforts are taking place. SoundWatch, WDFW Enforcement, and NOAA Office of Law Enforcement will be notified when this activity takes place, and will help to maintain a greater than 500 meter buffer around the area. The media will be notified and asked to maintain similar buffer, as well maintain clear airspace overhead of the response area. Throughout phases 1-3, a member/s of the team will be designated to observe for incidental interactions (this job will be designated once boat configurations of personnel are determined).

MITIGATION FOR NON-TARGET WHALE INTERACTION

To avoid unintended interactions with non-targeted animals, specific group behavioral states will be targeted during the response effort (such as foraging when there is a higher likelihood that J50 will be a satellite animal from the group). When possible, the objectives of phases 1-3 will be attempted when J50 is separate from

other animals, at a distance deemed appropriate by the experts present at the time of implementation.

When appropriate, the fish tethering method will be used to insure that J50 is the only animal receiving fish/medicated fish. UAV support imagery will be used whenever possible to confirm fish consumption by J50.

TIME FRAME

The timeframe for this response will be dependent on the location of J50 and her pod, and the availability of live Chinook and the resources needed to deploy them. Ideally, if J50 and her pod (the J16s) are within a workable location, phase 1 can begin immediately, with the goal of following with phase 2 & 3 as soon as the Chinook can be sourced. The timing and duration of phase 3 will be determined by the team of veterinarians and experts, based on the needs of the animal, the effectiveness of the plan, and the safety of all concerned.

POSSIBLE STOPPING POINTS

Progression of the response will be dependent on the reaction of the animal and the findings of phases 1-3. This plan maintains the flexibility to change the order of the phases or specific operations within them, based on what is deemed appropriate from the veterinarians and experts in the field. The progression can be stopped at any time it is deemed in the best interest of the animal or unsafe to continue.

Other stopping points include:

1. Health assessment and monitoring deems no further progression of the phases is necessary (as advised by the team of advisors and experts).
2. Phase 2 does not result in any interest in fish by J50 (the response plan will need to be revised to take a different approach).
3. Phase 3 is completed and all medications have been successfully administered, and J50's condition has been improved (continued monitoring schedule should be determined at this time).
4. If J50 is determined to be under undue stress from the response, based on observations and data collected by the expert team.
5. J50 expires prior to completing response.

**This is a complex effort attempting to deal with a fluid situation, and it is possible that unforeseeable stopping points will arise during the response effort. This working plan maintains the ability to remain dynamic when needed.*

Further assessment of other individuals in the population, that may be compromised or stressed (in particular J35 and close associates of J50), may

continue both during and post-repose to J50. The need for such assessment will be evaluated continually as the response progresses.

RESPONSE PARTNERS

This will be a coordinated effort between NOAA, WDFW, The Lummi Tribe, The Whale Sanctuary Project, SeaDoc, UW Center For Conservation Biology, Wild Orca, Center For Whale Research, Vancouver Aquarium, Sea World, SR3, SoundWatch, WDFW Enforcement, NOAA Office Of Law Enforcement.

The following panel of marine mammal veterinarians is currently consulting on the response plan and will continue to be involved throughout the process.

Dr. Joe Gaydos (SeaDoc)
Dr. Jim McBain (SeaWorld)
Dr. Hendrik Nollens (SeaWorld)
Dr. Martin Haulena (Vancouver Aquarium)
Dr. Pete Schroeder (US Navy)
Dr. Stephen Raverty (University of BC)
Dr. Frances Gulland (The Marine Mammal Center)
Dr. Stephanie Norman (Marine Med)

RESPONSE PERSONEL

The following personnel will be involved in this response at varying points, though the exact configuration of personnel on each boat at any given time will shift depending on needs of the effort and the availability of the individuals involved.

Dr. Joe Gaydos (SeaDoc)
Dr. Jim McBain (Sea World)
Dr. Hendrik Nollens (Sea World)
Dr. Martin Haulena (Vancouver Aquarium)
Dr. Stephen Raverty (University of BC)
Dr. Pete Schroeder (US Navy)
Dr. Stephanie Norman (Marine Med)
Lynne Barre (NOAA)
Dr. Brad Hanson (NOAA)
Candice Emmons (NOAA)
Dr. John Durban (NOAA)
Dr. Holly Fernbach (NOAA & SR3)
Jeff Foster (Whale Sanctuary Project)
Katy Foster (Whale Sanctuary Project)

Charles Vinick (Whale Sanctuary Project)
Stephen Jeffries (WDFW)
Dyanna Lambourn (WDFW)
Ken Balcomb (Center For Whale Research)
Dave Ellifrit (Center For Whale Research)
Dr. Sam Wasser (UW Center For Conservation Biology)
Dr. Deborah Giles (UW Center For Conservation Biology & Wild Orca)
Collette Yee (UW Center For Conservation Biology)
Kurt Russo (Lummi Nation)
Jay Julius (Lummi Nation)
Jewel James (Lummi Nation)
Ben Budka (Sound Guardian)
Jim Devereaux (Sound Guardian)
Bob Kruger (Sound Guardian)
Trevor Foster (research tech)
John Gussman (Doubleclick products)
**Additional persons to be named (Lummi Nation)*

Boats

Hurricane 733 (NOAA)
21ft Grady-White (UW)
Lummi Nation (see fig.1)
Sound Guardian (King County)
**Additional boats to be added*

DOCUMENTATION

It will be vital to document the whole process as thoroughly as possible, including data collection and image/video collection. When possible, footage will be collected from a UAV, both for the collection of morphological and behavioral data, and to assist in optimal viewing of feeding/medicating attempts. UAV footage may offer a beneficial perspective for confirming whether or not J50 is successful consuming the deployed fish. There is much to be gained from this event and it is important that we all learn from it – to not only ensure that we are actually moving forward in this case, but also to allow others to learn and expedite their action plan should they encounter a similar situation in the future. All documentation will be submitted to and held by NOAA.

APPENDIX A

J50 PROPOSED HEALTH ASSESSMENT OF RECOVERED BLOW AND FECAL SAMPLES

INSTRUCTIONS FOR SAMPLE PROCESSING ON-BOARD:

Exhaled breath samples*:

If feasible, breath samples should be collected simultaneously on blood agar, Sabouraud's, salt enriched agar, and a sterile empty petri dish. If this is not possible, the exhaled breath should be collected on a sterile petri dish with no media.

1. If breath samples are collected on separate Blood agar, Sabouraud's, salt enriched agar plates:
 - a. Close lid after sample collection, label, tape shut and keep cool until shipping.
2. If only a single sterile empty collection plate(s) is used to collect the breath sample, then sub-sample the surface with sterile swabs:
 - a. With 1 swab, prepare smears on 3 glass slides. Label and place the slides in a secure area and air dry. Keep at room temperature until shipping to SeaWorld.
 - b. Collect 2 swabs in transport media for bacteriology (Ames) and 2 replicate dry swabs for fungal culture. Keep the swabs for fungal culture dry and in separate sterile containers. Keep cool and ship 1 bacteriology swab and 1 fungal swab each to SeaWorld and UC Davis.
 - c. Place a third swab RNA Later® or retain dry and place in a sterile container. Refrigerate until shipped to UC Davis and NOAA.

Fecal samples*:

1. Place replicate samples of 2-4 ml of feces in 3 separate sterile containers and chill.
2. Place one sample of 1.0 ml of feces in a sterile container for molecular analysis and possible electron microscopy. Maintain chilled until shipping.
3. Swab the fecal sample using a Teflon or cotton swab. Place either in RNA Later® or a sterile container for microbiome studies. Keep at room temperature or chilled until shipment.

*Surplus samples should be inventoried and kept chilled.

INSTRUCTIONS FOR SAMPLE SHIPPING AND PROCESSING ON LAND:

Samples should be collected as early in the day as possible and shipped that afternoon to expedite overnight delivery to reference laboratories. The labs and contact information are provided below. When shipping, please inform Dr J Gaydos to ensure the labs are prepared to receive the samples and case submission forms are included.

Sample	Lab	Status/Disposition
Breath sample	UC Davis	
Breath sample	SeaWorld	
Breath sample	Dr Linda Rhodes	
Fecal sample	UC Davis	
Fecal sample	SeaWorld	
Fecal sample	Dr Linda Rhodes	
Fecal sample	Dr Chelsea Wood	

REFERENCE LABORATORIES AND CONTACT INFORMATIONMicrobiology and molecular studies

Dr Tracey Goldstein
 School of Veterinary Medicine
 Wildlife Health Center
 University of California,
 1 Shields Avenue,
 Davis, California, 95616-8734
 (530) 752-4167
 FAX (530) 752-3318
<http://www.vetmed.ucdavis.edu/whc>

Diagnostic microbiology, parasitology and clinical pathology

Dr Hendrik Nollens
 SeaWorld San Diego
 Veterinary Services
 500 SeaWorld Dr
 San Diego CA 92109
 (619) 606-6178

Microbiome, fecal hormones and prey analysis

Linda D. Rhodes, Ph.D.
 Program Manager, Marine Microbes & Toxins Program
 Northwest Fisheries Science Center, NOAA Fisheries
 2725 Montlake Boulevard East
 Seattle, WA 98112 USA
 (206) 860-3279



Parasitology

Chelsea L. Wood, Ph.D.

Assistant Professor

University of Washington

School of Aquatic and Fishery Sciences

Box 355020

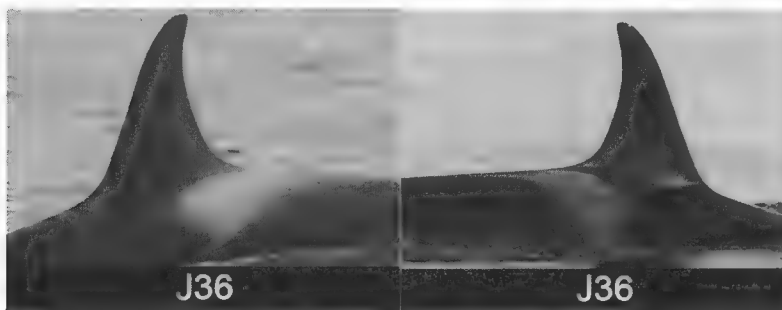
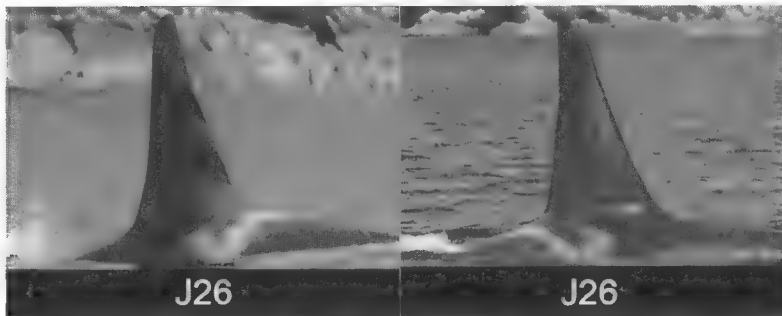
Seattle, WA 98195-5020

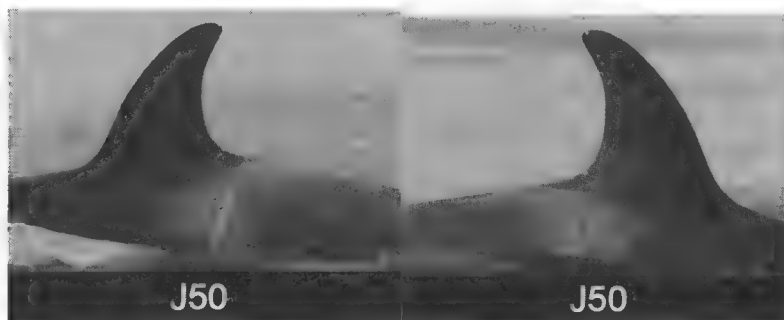
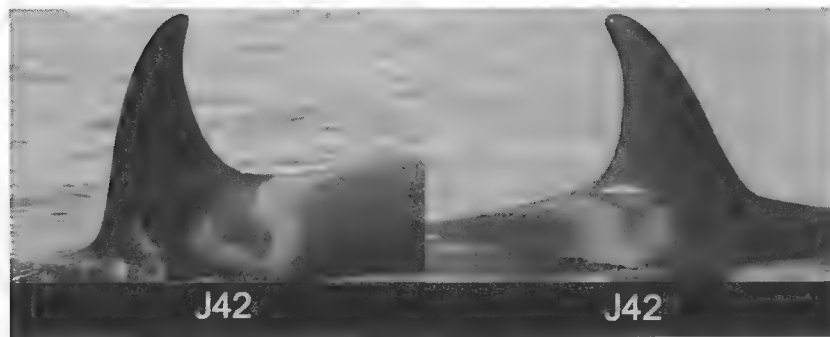
(831) 324-3076



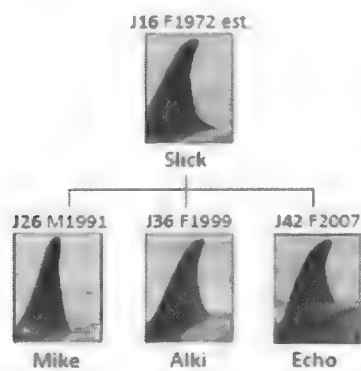
APPENDIX B

**All images taken from The Center For Whale Research Photo ID catalog.*





**J Pod (J Clan)
J7 Matrine**



J16 Matrine prior to the birth of J50 (Vancouver Aquarium)

Dozie, Juachi

From: Jenkins, Randy
Sent: August-10-18 1 45 PM
To: Lapointe, Sylvie, Burns, Adam, Day, Robert, Patrick, Lindsey
Cc: Moore, Kendra, Scott, Paul G, Gilchrist, Brett, Davis, Neil, Thomson, Andrew
Subject: Updated SRKW Note
Attachments: MECTS-#3949687-v6-IN-Southern_Resident_Killer_Whale_Update docx

FYI . note updated slightly since this morning to include more info on the potential supplementary feeding

Southern Resident Killer Whale Update

(August 10, 2018 – 14 15 EDT)

Issue: The rapidly deteriorating health condition of Southern Resident Killer Whale (SRKW) J50 of SRKW J-pod has prompted the U.S. National Oceanic and Atmospheric Administration (NOAA) to propose an emergency action plan to treat her. The response team located J50 on Thursday, August 9th and began sampling and treatment. Additionally, J35 was last seen on Wednesday August 8th travelling with her dead calf.

Update:

- NOAA held their daily media briefing at 10 am PDT to update on J50 and J35. DFO was represented by Andrew Thomson (Resource Management), Sheila Thornton (Science) and Paul Cottrell (Marine Mammal Unit), as well as Dr. Marty Haulena (Veterinarian, Vancouver Aquarium) and Lynne Barre (NOAA).
- Yesterday, Thursday August 9, 2018, the response team located J50 in Canadian waters near Race Rocks area (south of Victoria) and followed her into U.S. waters near San Juan Island.
 - Veterinarian Marty Haulena of the Vancouver Aquarium conducted a health assessment of J50, and the response team obtained a breath sample (to assess for infection) and administered a half a dose of antibiotics via a dart.
 - Yesterday on August 9th, DFO Pacific Region issued to NOAA an authorization to “disturb marine mammals” pursuant to section 38 of the MMR, in addition to provisions under section 52 of the FGR and section 74 of SARA to NOAA.
 - This authorization permits NOAA to conduct sampling of J50, including breath, fecal, mucus and skin, visual veterinary health assessment, and to provide antibiotic treatment via pole syringe or remote delivery.
 - J50’s poor body condition was first noted in June and has continued to deteriorate since then. This is a small whale that is very thin.
- NOAA has authorized the nutritional support therapy for J50 in U.S. waters where an initial feeding trial of live wild caught Chinook Salmon (2-4 salmon) would be deployed from a fish delivery vessel approximately 50-100 metres in front of J50 using a funneled chute into the water.
 - The initial trial will depend on the conditions, the location, behaviour of J50 and her pod, as well as J50’s response to the deployed fish.
 - This trial will inform the possible implementation of fish containing antibiotics for J50 for further treatment.
- Sound Guardian, a research vessel, was scheduled to depart at 6 am PDT from the San Juan Islands area in U.S. waters with reporters onboard and is serving as a safety vessel for response operations for J50. This boat has Chinook Salmon onboard as a backup feeding vessel for J50.
- DFO and NOAA teams continue to survey the area and will conduct health assessments and sampling, including a fecal sample, of J50 if possible.
- J35 has been travelling with her dead calf since its death on July 24, 2018, an unprecedented duration for carrying a calf’s carcass. Last seen Wednesday August 8, 2018.
 - At this time J35 has not been reported as having poor body condition. Removing the calf is not being considered, due to the interests of human and animal safety.
 - Despite media questions regarding potential intervention, a permit for J35 is not being considered at this time, but would follow a similar permit process to the one for J50.
- DFO and NOAA vessels are continuing to survey Southern Vancouver Island in search of J-pod in bad weather conditions. Conditions are forecasted to be poor into Saturday.

Barton, Meagan

From: Jenkins, Randy
Sent: August-10-18 7:08 AM
To: Thomson, Andrew, Davis, Neil, Harber, Lee
Cc: Moore, Kendra
Subject: FW: J50 - Updated note
Attachments: MECTS-#3949687-v1-IN-Southern_Resident_Killer_Whale_Update (Aug 10) docx

FYI given the events overnight (or at least based on NOAA tweet) we updated the note this morning and sent it along. Given the time of day I sent it without having anyone in Pacific review but clearly stated info is based on NOAA tweet. Kendra will update again for the end of day with any new information and planning for the weekend. Feel free to offer any commentary and or information for this afternoon's note. (FYI.. [REDACTED] Robert Day is acting) I've asked Kendra to follow up directly with Lee later today.

Thanks
 Randy

From: Jenkins, Randy
Sent: Friday, August 10, 2018 10:02 AM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Day, Robert <Robert.Day@dfo-mpo.gc.ca>; Lapointe, Sylvie <Sylvie.Lapointe@dfo-mpo.gc.ca>
Cc: Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>, Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Subject: J50 - Updated note

Attached is an updated note to include events overnight. We will update again later in the day once the daily briefings are concluded and more is known.

Randy

*Randy P. Jenkins
 Director - Integrated Resource Management – National Programs
 Directeur - Gestion des ressources intégrées – Programmes nationale
 Fisheries and Harbour Management / Gestion des pêches et des ports
 200 rue Kent Street, 13W065
 Ottawa, Ontario, K1A 0E6*

*Tel/Tél (613) 990-0018 Fax/Telecopieur (613) 990-7051
 E-Mail / Courriel Randy.Jenkins@dfo-mpo.gc.ca*

Southern Resident Killer Whale Update

(August 10, 2018 – 10 00 EDT)

Issue: The rapidly deteriorating health condition of Southern Resident Killer Whale (SRKW) J50 of SRKW J-pod has prompted the U.S. National Oceanic and Atmospheric Administration (NOAA) to propose an emergency action plan to treat her. The response team located J50 on Thursday, August 9th and began sampling and treatment. Additionally, J35 was last seen on Wednesday August 8th travelling with her dead calf.

Update:

- NOAA's social media twitter platform indicated that the response team located J50 in Canadian waters near Race Rocks area (south of Victoria) and followed her into U.S. waters near San Juan Island on Thursday August 9, 2018.
 - Veterinarian Marty Haulena of Ocean Wise conducted a health assessment of J50, and the response team obtained a breath sample (to assess for infection) and administered a dose of antibiotics via a dart
 - Yesterday on August 9th, DFO Pacific Region issued to NOAA an authorization to "disturb marine mammals" pursuant to section 38 of the MMR, in addition to provisions under section 52 of the FGR and section 74 of SARA to NOAA.
 - This authorization permits NOAA to conduct sampling of J50, including breath, fecal, mucus and skin; visual veterinary health assessment, and to provide antibiotic treatment via pole syringe or remote delivery
- A NOAA vessel (Sound Guardian) will permit reporters onboard and will serve as a safety vessel for response operations for J50. This boat will also have Chinook Salmon onboard as a backup feeding vessel within U.S. waters
- J35 has been travelling with her dead calf since its death on July 24, 2018, an unprecedented duration for carrying a calf's carcass.
- At this time, removing the calf is not being considered, due to the interests of human and animal safety. At this point a permit for J35 is not being considered but would follow a similar permit process to the one for J50.
- DFO and NOAA vessels are continuing to survey Southern Vancouver Island in search of J pod in bad weather conditions. Conditions are forecasted to be poor into Saturday
- NOAA will hold their daily media briefing at 10 am PDT to update on J50 and J35

Background:

- Southern Resident killer whales are an endangered, specialized population of killer whales that now number 75, the lowest in decades. Female whales are especially valuable to the population given their reproductive potential.
- Given the limited number of females in such a small population (75 individuals), it would be a significant blow to the population to lose this individual
- NOAA's emergency action plan includes several treatment options: supplemental feeding in the wild via a sluice off the back of a boat; oral medication inside fish for feeding to J50, injection of medication with a dart; and penning J50 to enable hydration, feeding, and medication.
 - The antibiotic being used by NOAA is a general prophylactic that could help with a broad spectrum of health issues, which is recommended from past sightings.

Moore, Kendra

From: Jenkins, Randy
Sent: Friday, August 10, 2018 12:54 PM
To: Moore, Kendra, Scott, Paul G, Gilchrist, Brett
Subject: Fw: HEADS UP! J50 [REDACTED]

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Sent: Friday, August 10, 2018 12:42
To: Lapointe, Sylvie; Antcliffe, Bonnie; Burns, Adam; Jenkins, Randy
Cc: Girouard, Louise
Subject: Re: HEADS UP! J50 [REDACTED]

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches
Pacific Region | Région du Pacifique
Fisheries & Oceans Canada | Pêches et Océans Canada

Suite 200 – 401 Burrard St.
Vancouver, BC, Canada V6C 3S4
andrew.thomson@dfo-mpo.gc.ca
Telephone | Téléphone 604.666.0751
Facsimile | Télécopieur 250.666.8069
Government of Canada | Gouvernement du Canada.

From: Lapointe, Sylvie
Sent: Friday, August 10, 2018 9:39 AM
To: Thomson, Andrew; Antcliffe, Bonnie; Burns, Adam; Jenkins, Randy
Cc: Girouard, Louise
Subject: RE: HEADS UP! J50 [REDACTED]

Thx Andy [REDACTED]

Sylvie

From: Thomson, Andrew
Sent: Friday, August 10, 2018 12:26 PM
To: Antcliffe, Bonnie <Bonnie.Antcliffe@dfo-mpo.gc.ca>; Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>, Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>, Lapointe, Sylvie <Sylvie.Lapointe@dfo-mpo.gc.ca>

Cc: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>

Subject: HEADS UP! J50 [REDACTED]

s.21(1)(a)

s.21(1)(b)

DFO is planning to participate on a media call with NOAA at 10 AM Pacific Time.

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches
Pacific Region | Region du Pacifique
Fisheries & Oceans Canada | Pêches et Océans Canada

Suite 200 – 401 Burrard St.
Vancouver, BC, Canada V6C 3S4
andrew.thomson@dfo-mpo.gc.ca
Telephone | Téléphone 604.666.0751
Facsimile | Télécopieur 250 666.8069
Government of Canada | Gouvernement du Canada.

Dickie, Catherine

From: Kennedy, Eddy
Sent: August-10-18 10:51 AM
To: Lowe, Carmel
Subject: rough notes from NOAA Media call

UPDATES:

- Marty (Vet Van Aqua): part of vet team on the initiative. Taking turns for being on site
 - o DFO spotted whale first and stayed with her and provided locations to US team
 - o Dramatic how thin j50 was (first time seeing her)
 - o Was initially by herself; but was agile and moved well between groups with her mom
 - o Followed for 6 hrs
 - o As crossed back to US – delivered antibiotic via dart “a great thing”; in calm water got a blow sample
 - o Brad Hansen was boat driver [REDACTED] NOAA biologists knows animals very well
 - o Was able to get assessment
 - o Respiratory disease is low priority – breath was normal; diving well; respiratory character was good – no discharge; not reason for condition
 - o No obvious abnormalities in skin
 - o Swimming well
 - o Low buoyancy – riding low in water; but no obvious difficulty in getting to surface
 - o Other animals foraging activity – 2 foraging times – but nothing from j50
 - o New goals to look on – ability for her to eat – can she eat, does she regurgitate, fecal sample; look at digestive system
- Andy
 - o Recognised efforts of team
 - o Recognised whale watching for staying back
 - o Asked all vessels to keep staying back at least 500m
 - o DFO vessels will continue to monitor j50 in Canada and ensuring wide berth for animal

MEDIA QUESTIONS (question below media rep, followed by response – the person giving response is in CAP letters; followed by follow up question; followed by response)

- [REDACTED] CHEK NEWS)
 - o How quickly to get results from j50 samples
 - o MARTY – processed last night and shipped to lab today – molecular work to take days to week
 - o Any video shot
 - o JIM – video will be on website shortly
- [REDACTED] CBC NEWS)
 - o Overall health and condition: last week looking like, only days to live; now look ok
 - o MARTY: still a very thin whale and others in her condition have not survived; but J50 a thin whale for long time, thus unlikely not acute condition; don't have great diagnosis at this time but know body condition is much lower than others; may be other medication
 - o Live feeding trials status? Tried today, will fish be medicated
 - o LYNNE BARRE: evolving situation; preparation are in place; vessels are ready to assist in feeding trial if necessary; need to assess conditions, whale behavior; lots of things need to come tighter in US to initiate that trial; Can we do it for safe for all involved; can we observe her response to the fish; will be a call on the water – the first step is unmedicated fish
- ???
 - o Is difference in protocols in CANADA and US
 - o ANDY: yes – different permits; yesterday permitted under SARA and FA – if other activities are required need to be licenses; teams are working closely together

- Shift in deciding who is in charge on border
- ANDY: not worrying who is in charge – working together
- LYNNE: echoed comments
- [REDACTED] (Vancouver Sun)
 - What was j50 treated with
 - MARTY: cephalosporine – broad range antibiotic
 - What is breath sample looking for
 - MARTY: Pathogens in seawater or airway
- [REDACTED] ??
 - What happens next?
 - LYNNE: depends on where whales are, conditions, behavior. Teams take step-by-step approach; understand condition and feeding; vets will consult and determine best treatment; look at first step in feeding trial for medication
- ??
 - Live feeding in US only, will be request for CANADA
 - LYNNE: currently only trial and will try only in US; and if works will determine if need to go into Canada
 - Weather coming – what's next
 - LYNNE: with all partners, including DFO, work together to locate whales and depending on conditions, will act accordingly
- ??
 - Dart with antibiotic – unprecedented?
 - MARTY: first time with successful delivery to KW – some efforts with Grey whales and others
 - Condition of animal is good – hesitation to deliver medication?
 - MARTY: with low body condition, and good condition environmentally played into it. Negative risks low compared to positive outcomes.
 - Followed her for how long before darting
 - MARTY: 2 hrs
- ??
 - Indigenous partners – keeping them in the loop
 - LYNNE: keeping tribes in communication via ??; and Lumnia(??) is involved in feeding
 - ANDY: no known active communication; just concentrating on operations
- ??
 - What else is required for further medication ; what diagnosis is required
 - MARTY: look at digestive system – how much she is eating and look at fecal samples; based on results look at further medication
 - LYNNE: look at initial feeding trial now to assess applicability of feeding to support another vehicle for medication
- ??
 - Emotional reaction to first time seeing animal
 - MARTY: caring about animals is driver, and being part of team is very emotional and helping endangered animal
 - Next weeks and months
 - MARTY: hoping animal pulls through; difficulty with free range animals is lack of hands on diagnostic tests – blood samples, feeling, smelling, etc – need to plan carefully to assess next steps
- CANADIAN PRESS
 - To Marty – how do you assess her size – how long has she been malnourished
 - MARTY: Sheila alerted him to the fact that she was always a small whale and not gaining weight as one would expect. But relative body condition has gotten worse in last few weeks after discussions with vets and biologists. Need further discussions and assessment to determine how long the accelerated loss of body condition has been happening to compile historical story
 - SHEILA: in June, see peanut head, and not improving over summer when we would expect to see condition improve
- CBC News

- Why is such effort for this whale – what does she mean to the population?
- LYNNE: lots of work done to support recovery of population. This is opportunity to learn more about this condition and what are contributing factors, and what can we learn to support J50 and entire population. Don't want to have impacts on other whales. Young female, important for growth of population in future.
- Hope to have success story like Springer?
- LYNNE: Springer had 2 calves for NRKW so it was a success story to bring her back. Would like to have another success story contribute to population growth
- [REDACTED] ?
 - How smoothly did dart injection went? Most of medicine injected into body
 - MARTY: could have went better. First – only half went in due to bump on entry.
- [REDACTED] (SEATTLE TIMES)
 - J35 – still carrying calf
 - LYNNE: no team spent time with J35 – no update
 - SHEILA: DFO team saw J35 yesterday and she still had the calf.

Eddy Kennedy

Manager, Ecosystem Sciences Division | Gestionnaire, Division des sciences écosystème
Pacific Biological Station | Station de biologie du Pacifique
Fisheries and Oceans Canada | Pêches et Océans Canada
Tel/Tél. 250-756-3360
Cell: [REDACTED]
E-Mail: eddy.kennedy@dfo-mpo.gc.ca

Dozie, Juachi

From: Moore, Kendra
Sent: August-10-18 9 43 AM
To: Cottrell, Paul
Cc: Scott, Paul G, Davis, Neil, Thomson, Andrew, Girouard, Louise, Lowe, Carmel
Subject: RE J50 Update

Great, thanks so much for this update Paul. Much appreciated. Regarding the antibiotic injection, do you know if this was done via pole or remotely?

I will include this info, as well as the updates from the media briefing at 10am in the next update note for mino this afternoon. I will ensure to send it to you (although I know you're in the field) and Lee for review beforehand though

Thanks again,

Kendra

From: Cottrell, Paul
Sent: August-10-18 12:34 PM
To: Moore, Kendra
Cc: Scott, Paul G; Davis, Neil; Thomson, Andrew; Girouard, Louise; Lowe, Carmel
Subject: RE: J50 Update

Hi Kendra,

As an update, J50 was spotted in Canadian waters off Sooke yesterday afternoon and assessed by the research team, Dr Brad Hansen (NOAA) and Dr Marty Haulina (Vancouver Aquarium). We (DFO) issued an authorization for research activities yesterday (health assessment-breath and fecal collection, antibiotic delivery by pole or dart) just in the nick of time.

Here is what was achieved:

1. 6 hours on the water with J50 starting in Canada off Sooke and ending at San Juan Islands US waters
2. A comprehensive veterinary assessment of J50 by Dr. Marty Haulena (Vancouver Aquarium)
3. Breath sample collection
4. Antibiotic injection
5. Collection of fish scales from predation event by her immediate pod
6. Photo, video, and UAS documentation of J50 and the response efforts

J50 was reported to be very active and while she was by herself (not unusual for her behavior) when she was first encountered she joined up with her pod quickly and stayed with them for the remainder of the day. She could keep up with her pod easily, took deep dives, and was not struggling to get to the surface. The team did not see her eat but others in her group were actively

feeding and prey sharing was noted. They did note of her small size and how remarkable her emaciation was.

Future goals today if J50 located:

1. Collection of a fecal sample
2. Additional observations of her behavior, condition, and predation events
3. Live fish trials may begin as early as Friday in the US

s.21(1)(a)

s.21(1)(b)

Future goals if we observe J35:

1. Documentation of her behavior, overall condition, and pod dynamic

Other goals:

1. Schedule a veterinary call to discuss the health assessment (NOAA & DFO)
2. Send the breath sample for analysis

I'll keep you posted.

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Moore, Kendra

Sent: Friday, August 10, 2018 6:35 AM

To: Harber, Lee; Cottrell, Paul

Cc: Scott, Paul G

Subject: J50 Update Note

Good morning Lee and Paul,

Mino is seeking an update this morning and after the media briefing this afternoon EDT regarding J50/J35.

Attached is an Issue Note for your review as most of the key information is from a NOAA tweet from yesterday.

If you could send me any comments or include additional information that would be great.

Thanks so much!

Kendra

No information has been removed or severed from this page

Barton, Meagan

From: Reid, Rebecca
Sent: August-10-18 10 13 AM
To: Thomson, Andrew
Subject: RE J50 Update

Thanks We will all become experts soon!! Breath analysis – I would have thought that impossible yesterday [REDACTED]

RR

Rebecca Reid
Regional Director General/ Directrice générale régionale
Fisheries and Oceans Canada - Pacific Region/ Pêches et Océans Canada - Région du Pacifique
200-401 Burrard Street / 401, rue Burrard, bureau 200
Vancouver, BC/CB V6C 3S4
Office / Téléphone 604-666-6098
Cell / Cellulaire [REDACTED]
E-mail/ Courriel rebecca.reid@dfo-mpo.gc.ca

From: Thomson, Andrew
Sent: Friday, August 10, 2018 10 10 AM
To: Reid, Rebecca <Rebecca.Reid@dfo-mpo.gc.ca>
Subject: Fw J50 Update

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches
Pacific Region | Région du Pacifique
Fisheries & Oceans Canada | Pêches et Océans Canada

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andrew.thomson@dfo-mpo.gc.ca
Telephone | Téléphone 604 666 0751
Facsimile | Télécopieur 250.666.8069
Government of Canada | Gouvernement du Canada.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Friday, August 10, 2018 9:33 AM
To: Moore, Kendra
Cc: Scott, Paul G; Davis, Neil; Thomson, Andrew; Girouard, Louise; Lowe, Carmel
Subject: RE: J50 Update

Hi Kendra,

As an update, J50 was spotted in Canadian waters off Sooke yesterday afternoon and assessed by the research team, Dr Brad Hansen (NOAA) and Dr Marty Haulina (Vancouver Aquarium). We (DFO) issued an authorization for research activities yesterday (health assessment-breath and fecal collection, antibiotic delivery by pole or dart) just in the nick of time.

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2. Additional observations of her behavior, condition, and predation events
3. Live fish trials may begin as early as Friday in the US

Future goals if we observe J35:

1. Documentation of her behavior, overall condition, and pod dynamic

Other goals:

1. Schedule a veterinary call to discuss the health assessment (NOAA & DFO)
2. Send the breath sample for analysis

I'll keep you posted.

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

From: Moore, Kendra
Sent: Friday, August 10, 2018 6:35 AM
To: Harber, Lee; Cottrell, Paul
Cc: Scott, Paul G
Subject: J50 Update Note

Good morning Lee and Paul,

Mino is seeking an update this morning and after the media briefing this afternoon EDT regarding J50/J35

Attached is an Issue Note for your review as most of the key information is from a NOAA tweet from yesterday

[REDACTED]

If you could send me any comments or include additional information that would be great

Thanks so much!

Kendra

Dickie, Catherine

From: Girouard, Louise
Sent: August-10-18 11:02 AM
To: Lowe, Carmel; Kennedy, Eddy
Cc: Webb, Cheryl; Antcliffe, Bonnie
Subject: FW: Debrief - NOAA media call summary - Aug 10

FYI.

From: Jackson, Ashley
Sent: Friday, August 10, 2018 10:55 AM
To: Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>; Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>; Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>; Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Bate, Dan <Dan.Bate@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.Mcelhone@dfo-mpo.gc.ca>; Geraldles, Betty <Betty.Geraldles@dfo-mpo.gc.ca>; Wiebe, Robert <Robert.Wiebe@dfo-mpo.gc.ca>; Hinds, Kimberly <Kimberly.Hinds@dfo-mpo.gc.ca>; Lapointe, Sylvie <Sylvie.Lapointe@dfo-mpo.gc.ca>; Patrick, Lindsey <Lindsey.Patrick@dfo-mpo.gc.ca>; Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>
Subject: Debrief - NOAA media call summary

Hello,

A summary of what was covered on the NOAA call.

On the call:

- DFO: Andy Thomson, Paul Cottrell, Sheila Thornton
- NOAA: Lynne Barre
- Dr. Marty Haulena (Veterinarian Vancouver Aquarium)

Opening

Dr. Haulena

Part of the core veterinary consulting team

- DFO first sighted the whale
- Having not laid eyes on J50 before, Dr. Haulena said it dramatic how thin she is.
- Demonstrated good swimming ability. No sign of the group waiting for her.
- They followed her for 6 hours Conditions were choppy and windy.
- The antibiotics were delivered in US waters and were delivered by dart.
- Once in calm waters alongside San Juan island - a blow sample was obtained.
- J50 was breathing well. Pneumonia is not likely.
- The team is going to take a few days to observe.

Andy Thomson

- Acknowledgement of whale watching industry that respected the 500m buffer to allow for the whale to be assessed
- The 500m voluntary buffer would continue.

CHEK News - How quickly will you get sample results?

- Days to one week to come back from the lab

CBC news - What are we thinking over her overall health? What is her prognosis

- This is a very thin whale. Other whales that have been in this condition have not survived. She is still a critical whale.
- In her favour: she has been thin for a long-time and other behaviours are good.
- We know she has something significant based on her body condition but we don't have an answers just yet to treat.

CBC news - Will antibiotic fish be tried with J50? What about regular salmon?

- It is going to depend on the conditions, the location, behaviour of J50 and her pod.
- The right conditions need to be in place to initiate that trial.
- We also need to be able to observe her response to the fish.
- The first step would be to try an unmedicated fish to determine her response?

SCANA - Is there any difference between what is done in the US and Canada?

- DFO: There are differences in legislation and permits between Canada and the U.S. Permits are required in Canada under the Marine Mammals Regulations as well as the Species at Risk Act.
- NOAA: The operations have been seamless between Canada and the U.S. and it's a transboundary team.

Vancouver Sun - What did you treat the whale with?

- Long-lasting antibiotic that last 7-10 days.

Vancouver Sun - What are you looking for in the samples taken?

- We are looking for bacteria and fungus that would be in the respiratory tract.

CHIRO radio - What is expected to happen

- It depends on where they are sighted, how they are behaving, what the conditions are
- We will be taking a s step-by-step approach

Q13 news - Will the US apply for a permit to try medicate fish in Canadian waters?

- We are going to first review whether this is a feasible option before moving ahead with a permit and action plan.

Q13 news - Will rough waters and weather conditions over the weekend be a factor?

- Weather is a variable and will determine what is possible on the water.

Is the dart with the antibiotic unprecedented?

- This is the first time we've been successful at remotely delivering any kind of medication to a killer whale. (Grey whales and right whales have been successful in past)

Hasaki Canada - What is the Indigenous participation to date?

- NOAA: We are in close communication with a number of tribes through the NOAA tribal liaison and have been working with the Lummi Nation.
- DFO: We are not aware of any direct Indigenous participation and we're focused on the operation.

What more do you need to give her more medication or get to a diagnosis?

- Where we want to concentrate our effort is looking at the digestive system. And look at what the animal is eating and hope to collect a fecal sample.
- Based on those observations we may recommend a further treatment.

CTV Vancouver - What were you thinking when you first saw the whale?

- Dr. Haulena -- At the end of the day it's about caring about these animals. Being part of the team who is trying to save J50 is a very emotional thing. Coming to the aid to another animal, especially an endangered species living in our backyard, it is great to part of that process. There's hope but I am concerned about her. The difficulty with dealing with a large free-ranging marine mammal is you can't do hands-on diagnostic tests.

CP - Now that you have seen her in person. How long has she been starving?

- This has always been a small whale. Shorter and smaller and hasn't gained weight like one would expect.
- There are plans to discuss further as to how long she has been in poor condition.
- In June, we began to see some signs of poor body condition. And we haven't seen any improvements over the summer when we would expect to see the condition to improve.

CBC - Why are we making so much of an effort for this one whale?

- We have been working over a decade to better understand the threats.
- This can help us understand more about what we have planned for the entire population:

San Juan Islander - How did the dart administration go?

- Based on what we learned, we may do things differently.
- Only half the dosage was administered.

Seattle Times - J35?

- No updates at this time.

Barton, Meagan

From: ComApproval / Approbation (DFO/MPO)
Sent: August-11-18 8:09 AM
To: Morel, Philippe; McPherson, Arran, Lapointe, Sylvie
Cc: Burns, Adam; Winfield, Nicholas, Cottrell, Paul, Thomson, Andrew, Wiebe, Robert, Jackson, Ashley, Smith, Kathleen, ComApproval / Approbation (DFO/MPO); Morris, Christina, Northcott, Jennifer, Patzer, Adria, Parkes, Sara; Nasrallah, Christine, Girouard, Louise, Bate, Dan, Sloan, Lara; Eatmon, Keegan, Nesseseth, Megan
Subject: FYI - UPDATED media lines SRKW J-50
Attachments: ML_SRKW_J50_August 11 2018-1105- RDG approved docx
Categories: CC'ed messages

Attached for your information are the latest updated media lines on the situation with J50. The updated media lines have been reviewed and approved by the Regional Director General – Pacific.

Feel free to contact me if you have any questions
 Tina

Christina (Tina) Morris
 Manager/Gestionnaire
 Ministerial Events and Editorial Services
 Department of Fisheries and Oceans/ Pêches et Océans Canada
 (613) 993-5983
 [REDACTED] cell)
 PIN [REDACTED]
christina.morris@dfo-mpo.gc.ca

Media Lines

Southern Resident Killer Whale J50

Issue

The very poor health condition of Southern Resident Killer Whale (SRKW) J50 of SRKW J-pod has prompted the U.S. National Oceanic and Atmospheric Administration (NOAA) to propose an emergency action plan to treat her. Fisheries and Oceans Canada (DFO) is working with NOAA and other scientific partners to determine options for J50. DFO got confirmation on Aug 8 that J50 was sighted in US waters just north of Douglas Rock/West of Neah Bay. Intense interest in this endangered and high-profile species, whose numbers have dropped to 75 (we do know exactly how many there are), has garnered media and public attention.

Context

J50 is a juvenile female member of the Southern Resident Killer Whale population with a poor body condition. Efforts are underway to collect samples to establish whether she is possibly suffering from infection. Her body condition is comparable with past situations where individuals have died.

Due to the public spotlight on this situation in the media, NOAA drafted several proposals for potential emergency intervention that were shared with DFO late last week to address the body condition of J50, which include a number of options such as experimental feeding in the wild via a sluice off the back of a boat (Lummi Nation in Washington are currently catching large Chinook for this purpose); inserting oral medications in fish for feeding to J50, injection of medication with a dart; and live penning J50 to enable hydration, feeding, and medication, etc.

NOAA is consulting with several Canadian officials to discuss the condition of J50 and the potential for intervention (on the Canadian side Sheila Thornton (DFO Science), Paul Cottrell (DFO Marine Mammal Unit), veterinarian Stephen Raverty (Province of BC), and veterinarian Marty Haulena (Vancouver Aquarium). DFO Pacific has issued a permit (August 9) to allow US officials to treat J50 with injection of medication with a dart.

NOAA is holding daily media briefings at 10am Pacific. Paul Cottrell and Sheila Thornton and Andy Thompson are participating on DFO/Canada's behalf. NOAA will continue to hold daily briefings as needed.

Given the limited number of females in such a small population, it would be a significant loss to the population to lose this individual.

Media Lines

- The very poor health condition of Southern Resident killer whale J50 of the J-pod is extremely concerning to all of us and warrants immediate action. J50's fragile state is particularly trying for Canadians, Americans and Indigenous Peoples given the state of the whale population and the whale's cultural significance.
- On Thursday August 9th, DFO located J50 and an observation team from both sides of the border was mobilized. This included Head Veterinarian from the Vancouver Aquarium Dr. Marty Haulena. The team was able to observe J50 for approximately 6 hours, and Dr. Haulena was able to make some valuable observations including respiratory rate, swimming activity, as well as collecting a breath sample and administering a long-acting broad spectrum antibiotic via dart injection.
- The team will continue to observe J50 over the weekend for potential reactions to the antibiotic and to collect fecal samples for further diagnostic tests. Results from breath and fecal samples will take up to a week for results.
- We are working closely with NOAA to consider every possible option available to us to save this whale. Our decisions will be evidence-based and we will again act quickly together with our partners when the conditions are right to move ahead with any action. These conditions include weather, location, the whale's health, the unknown condition we are treating and the impacts of these actions on other members of the population.
- We are looking carefully at the options that have been proposed to date. As there are only 75 Southern Resident killer whales left, we must take into consideration whether our actions risk harming either J50 or her pod. We will be ready to respond quickly should the intervention need to occur in Canadian waters.
- DFO issued a permit to allow US researchers to take breath, fecal, and mucous samples and treat J50 with medication by injection when the whale is located in Canadian waters.

If pressed on options:

- We are looking carefully at the options that have been proposed to date. As there are only 75 Southern Resident killer whales left, we must take into consideration whether our actions risk harming either J50 or her pod.
- Some of the options that have been proposed include: experimental feeding in the wild, inserting oral medications in fish for feeding to J50, injecting medication with a dart; and live penning the whale to enable hydration, feeding, and medication, etc.
- The social/familial impact to J-pod if J50 were to be captured and penned would be significant. As demonstrated by J35, these animals form significant bonds with their kin, and removing a juvenile, even just for a short time, could have serious repercussions. (Statement from Sheila Thornton on Aug 9 press call.)
- Our science team has significant concerns about feeding, given the risks of disturbance and habituation for J50 and the entire J pod. If we do get a request to permit this in Canadian waters, further assessment will be required.

If pressed on J35

- Our marine mammal experts last sighted J35 with the pod on August 9 and is still carrying her calf.
- The loss of any calf to the Southern Resident Killer whale population has a significant impact on population recovery
- Over the last 6 weeks, DFO scientists have identified 75 individuals from the SRKW population around Southern Vancouver Island. J35's calf was the only calf that has been spotted this year
- DFO scientists are collecting samples to support a comparison of fecal hormones to identify whether SRKW pregnancy loss is significantly higher than what is experienced in the NRKW population. Preliminary data from this field study will likely be available in late 2019

About the South Resident killer whales

- Southern Resident killer whales are an endangered, specialized population of killer whales that now number 75, the lowest in decades. Female whales are especially valuable to the population given their reproductive potential.
- The Government of Canada is committed to protecting the iconic and, culturally and ecologically significant Southern Resident killer whale and is taking actions to protect and recover the species.

Actions to date

We have taken and continue to take concrete action to protect Southern Resident Killer Whales, such as:

- Full closures for recreational finfish and commercial salmon fisheries in the Strait of Juan de Fuca and the Gulf Islands, plus partial closures for the mouth of the Fraser River to protect key foraging areas for the whales.
- Coastwide fishing restrictions to reduce harvest of key chinook salmon stocks by 25-35% in northern and southern B.C., a key prey species for SRKW.
- New regulations that prohibit vessels from approaching Southern Resident Killer Whales closer than 200m—this will help minimize noise disturbance and allow the whales to feed more easily.
- New investments in Science to better understand the whale population and the effectiveness of our recovery measures

Questions and Answers

Fisheries and Oceans Canada received a proposed rescue plan from NOAA on August 3rd - what is involved in reviewing this plan and how long will it take before the Government of Canada can determine if it can be put in action in Canadian waters?

The first step before taking any action is to more fully assess the potential causes of J50's condition. If conditions are right to move ahead with a treatment, DFO and NOAA will work together to treat the whale.

Would the Government of Canada require a permit to allow for the feeding of the orca? Our science team has significant concerns about feeding, given the risks of disturbance and habituation for J50 and the entire J pod. If we do get a request to permit this in Canadian waters, further assessment will be required.

Don't the Marine Mammal Regulations prohibit feeding whales?

While it is true that under the MMRs feeding and disturbing whales is not allowed, the Regulations note that the activity is permitted if it is in the manner authorized by the *Species At Risk Act*.

Q. If conditions are favourable and NOAA attempts providing J50 with a treatment/feeding, what role(if any) would there be for DFO?

DFO continues to support NOAA throughout this situation. We have experts on the water sighting the whales and our experts have reviewed the NOAA proposal which outlines different potential courses of action. If J50 remains in American waters we will continue to provide this supportive role.

DFO received and has already issued an application for a permit from the U S for a treatment to proceed in Canadian waters

We are looking carefully at the options that have been proposed to date. As there are only 75 Southern Resident killer whales left, we must take into consideration whether our actions risk harming either J50 or her pod. We will be ready to respond quickly should the treatment need to occur in Canadian waters

We will continue to provide support as needed by NOAA both on the water and off

Spokespersons:

Status of licensing, Proposal from NOAA, Measures we are taking to protect SRKW
Andrew Thomson

Condition of J50, Science, Obligations under SARA
Sheila Thornton, Lead Killer Whale Research Scientist, 604-364-5917

Monitoring for J-pod, mechanics of the operation if we can intervene
Paul Cottrell, Marine Mammal Coordinator, 604-666-9965

Program Contact:

Paul Cottrell, Marine Mammal Coordinator, 604-666-9965
Sheila Thornton, Lead Killer Whale Research Scientist, 604-364-5917

Communications Contact:

Janine Malikian, Pacific Region, 604-666-6766
Lara Sloan, Pacific Region, 250-363-3749

Johal, Mark

From: Davis, Neil
Sent: August-13-18 11 18 AM
To: Lowe, Carmel, Webb, Cheryl, Girouard, Louise, Kennedy, Eddy, Sloan, Lara
Subject: FW: Daily Debrief - Sunday, August 12th - Live Fish Trial Conducted

From: Harber, Lee
Sent: Monday, August 13, 2018 11:16 AM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Cc: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Subject: RE: Daily Debrief - Sunday, August 12th - Live Fish Trial Conducted

In addition to weekend summary, a few additional updates from the NOAA media briefing this morning:

- NOAA informed that this will be the last planned media briefing for now and will hold additional briefings as needed going forward
- Weekend observations indicated that J Pod may be heading west as they typically do this time of year and would return in a few days, and be in closer range for additional feeding trials and possibly administration of additional antibiotics
- Analysis of fecal samples may help inform next steps
- Today NOAA and DFO teams on standby and will plan based on location of J pod.
- On water teams will continue to keep an eye on J35 to observe if she is returning to normal behaviour.

Lee Harber
Marine Mammal Advisor
Fisheries and Oceans Canada
401 Burrard St. Vancouver, B.C.
(604) 666-1164 or BB: [REDACTED]

From: Cottrell, Paul
Sent: 2018-August-13 8:27 AM
To: Davis, Neil; Thomson, Andrew; Thornton, Sheila; Lowe, Carmel; Girouard, Louise; Harber, Lee; Webb, Cheryl; Kennedy, Eddy; Higgins, Linda; Cauffope, Genevieve; Sloan, Lara
Subject: FW: Daily Debrief - Sunday, August 12th - Live Fish Trial Conducted

Hi All,
Summary below of NOAA's efforts yesterday. J-pod was in US waters this weekend.
Cheers,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Kristin Wilkinson - NOAA Federal | [REDACTED]

Sent: Sunday, August 12, 2018 10:16 PM

To: Katy Foster; Brad Hanson (NOAA Federal); Holly Fearnbach; [REDACTED] John Durban - NOAA Federal; Teri Rowles; Lynne Barre - NOAA Federal; Marty Haulena; Deborah Giles; Michael Milstein - NOAA Federal; Scott Rumsey - NOAA Federal; Mark Strom - NOAA Federal; Ruth Howell; Mike Ford; Jim Milbury - NOAA Federal; Barry Thom - NOAA Federal; Thornton, Sheila; Chris Yates - NOAA Federal; Forbes Darby - NOAA Federal; Kate Naughten; John Ewald - NOAA Federal; Becker, Penny A (DFW); Cottrell, Paul; Teresa Mongillo; Amilee Wilson - NOAA Federal; Jennifer Ise - NOAA Federal; Emma Htun - NOAA Federal; Samantha Guidon - NOAA Federal; Katherine Brogan - NOAA Affiliate; Jennie Lyons; Deborah Fauquier; jeff foster; Sarah Mesnick; Director Marine Mammal; Kevin Werner - NOAA Federal; Joseph Karl Gaydos; [REDACTED] Jim McBain; Kimball, Taylor P (DFW)

Subject: Daily Debrief - Sunday, August 12th - Live Fish Trial Conducted

Hello All -

J50 was encountered off of Cattle Point and was seen socializing and holding a steady pace today.

Fecal Sample: A large fecal sample was collected from the NWFSC today from J50's immediate pod. It may be from J16 (mom), J42 (brother), or J50 but it will be sent in for analysis on Monday or Tuesday at the very latest. Dr. Stephen Raverty and Dr. Hendrik Nollens worked on a revised fecal sampling protocol for the team with a tiered approach with diagnostics being the priority.

Fish Trials: The first live fish trial was conducted today with J50 in the immediate area. The Lummi Enforcement vessel (fish deployment), the King Co. Sound Guardian (support vessel), WDFW Enforcement (drone platform), and NWFSC (monitoring and lead on water coordinator) were all on scene. The boats were in the perfect positioning to introduce live Chinook (ranging from 3.5-5 lbs. to 15-20 lbs.) in front of the path of J50. The first attempt was made at 150 m and J50 took a long extended dive at that same moment. The closest the team got while releasing fish was 70 m and released two fish back to back. Some of the larger animals did show interest to fish #2 and #3 but none of them responded after the 4th was released. Drone footage was collected during the operation and the response team will review the footage and then we will have a group discussion about proceeding with a second trial. At this point in time the team believes no fish were consumed but reviewing the drone footage will help confirm that.

Monday Plans: NWFSC will be back out on the water and hopes to observe some predation events and collect fish scales from those events if given the opportunity to do so.

Vet Plans: We are currently ordering more antibiotics and they will be available early this week. If the whales stay around we will have a vet come to administer the second dose of antibiotics.

All for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell

Error! Filename not specified.

On Sat, Aug 11, 2018 at 10:27 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
I forgot to mention the below item;

Fish Trial: There was some discussion to trying a live fish trial tomorrow if resources are available to do so. 12 fish have been made available by the WDFW Marblemount Hatchery.

Kristin

On Sat, Aug 11, 2018 at 10:14 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hello Everyone -

NWFSC and UW were on the water today with J50.

Sample collection: UW was able to collect a small fecal sample from J50's immediate pod today but cannot say with certainty that it is from J50. The sample is too small for the analysis (cytology, microbiology, parasitology, etc.) we would need to do to be performed. The sample will be frozen and sent to Sam Wasser's lab at UW for analysis but it will not be used for J50's case. NWFSC did not collect any samples today (breath, fecal, etc.).

Behavior: When UW was on scene J50 was keeping up with her pod members in a tight flanked directional travel and then later observed in a modified resting state. NWFSC was later on scene with her for 5 hours and noted J50 quickly fell behind in a very strong tidal current and remained stationary in the strong current for ~ 1hr. The tide changed and she began to pick up speed but she did not porpoise along with the other animals and when NWFSC left the scene she was 1km behind the pod.

Foraging: There was a report from a charter company of J50 catching a fish today, the response team is following up for more information. NWFSC did not see evidence of J50 feeding during their time with her even while in prime foraging habitat.

New goals: Dr. Stephen Raverty will be leading an effort to write and prepare a fecal sampling protocol for the on water teams. We will also be working to identify additional sources for UAS capacity for the next week.

J35: Center for Whale Research said that J35 was seen today without her calf.

All for now,

Kristin

On Fri, Aug 10, 2018 at 10:33 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Good Evening All -

It was another day on the water for the response team which started with a sighting of killer whales off the west side early in the day which turned out to be transients.

The Lummi Enforcement vessel and the Sound Guardian were deployed to be ready to release live Chinook salmon in the path of J50 if given the opportunity to do so. Since J pod was not in the area the NWFSC, The Whale Sanctuary and the Lummi Tribe rafted together and decided to do a test run of releasing live fish which was deemed beneficial to work through all of the handling and logistics. 10 fish were released alive through the chute and only 1 fish was lost in the transport process. There were significant challenges that faced the team in regards to media and our Communications Team is aware of these concerns and has addressed them.

J50 was located by the response team around 2.30 in Active Pass in Canada and did collect two prey samples from her immediate pod. No fecal or breath samples were collected today. They noted that J50 was energetic and she was keeping up with her pod members. She was observed separated from her pod for 2+ hours.

The veterinarian team had a call earlier in the day to discuss the veterinary health assessment that was performed yesterday. The team felt the live fish trials were still important since we are not sure what is the underlying cause of the emaciation and certain drugs can only be delivered by oral methods (i.e. praziquantel for tapeworms, anti-fungal medications). The live fish trials may also be diagnostic if she can eat the offered fish (i.e. would rule out an ingestion or inappetence issues).

Our goals remain the same moving forward

Assessment

1. Continue visual documentation of feeding, ingestion and defecation over the weekend. Including capturing photographs and video (preferably from the tower) or using UAS especially during feeding events.
2. Collect fecal to assess pathogens, parasites, etc.

Treatment

1. Make plans to deliver a second dose of Covenia and a dose of Ivermectin or Moxidectin via dart sometime next week (Tuesday - Thursday time frame).

J35 was also encountered and was reported to be solid and in robust body condition. It was unclear if she was still carrying the deceased calf but there was something (not sure what) being held in her mouth.

Thank you to the on-water team and to everyone for all of their efforts.

Good night,

Kristin

On Thu, Aug 9, 2018 at 11:08 PM, Kristin Wilkinson - NOAA Federal [REDACTED] wrote:
Hello All -

It was a very full day filled with several successes towards accomplishing our priorities. These activities were conducted in U.S. waters (although the team did start out in Canada today).

Here is what we achieved:

1. 6 hours on the water with J50
2. A comprehensive veterinary assessment of J50 by Dr. Marty Haulena with the Vancouver Aquarium
3. Breath sample collection
4. Antibiotic injection
5. Collection of fish scales from predation event by her immediate pod
6. Photo, video, and UAS documentation of J50 and the response efforts

J50 was reported to be very active and while she was by herself (not unusual for her behavior) when she was first encountered she joined up with her pod quickly and stayed with them for the remainder of the day. She could keep up with her pod easily, took deep dives, and was not struggling to get to the surface. The team did not see her eat but others in her group were actively feeding and prey sharing was noted. They did note of her small size and how remarkable her emaciation was.

Future goals if we get to spend more time with J50:

1. Collection of a fecal sample
2. Additional observations of her behavior, condition, and predation events
3. Live fish trials may begin as early as Friday

Future goals if we observe J35:

1. Documentation of her behavior, overall condition, and pod dynamic

Other goals:

1. Schedule a veterinary call to discuss the health assessment
2. Send the breath sample to Seattle for analysis
3. Improve on-water communications between the response vessels and coordination staff

A HUGE congratulations to the response team - I am very proud of what they were able to accomplish today. A thank you to the Communications and External Affairs team as well for all of their excellent coverage of our activities and goals.

All for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell

Error! Filename not specified.

On Tue, Aug 7, 2018 at 5:47 PM, Kristin Wilkinson - NOAA Federal [REDACTED] wrote:
Hello All -

J50 was sighted alive today by DFO off of Port Renfrew. Sheila Thornton will be providing images to the team later today. No on water actions were taken by the response team today.

Our evening call with the debrief team has been cancelled since Sarah Wilkin and I spent the day in Friday Harbor meeting with the core response team. We met for 4.5 hours at Friday Harbor Labs and discussed possible scenarios, near term objectives, and scheduling. The team also identified additional sample collection that would be ideal to have but they will remain secondary to breath, fecal, the veterinary health assessment and antibiotic administration goals.

Once those goals are accomplished we will be working on providing temporary nutritional support therapy to J50. This action is authorized and all of the needed resources are available and in place for deployment.

If we do deploy the response team and encounter J50 we will be working with WDFW Enforcement and Soundwatch to maintain a 500 yard perimeter.

That's all for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell

Error! Filename not specified.

On Mon, Aug 6, 2018 at 9:53 PM, Kristin Wilkinson - NOAA Federal < > wrote:
Good Evening -

It was another day without whales in the inland waters so our response team did not do any photography, sample collection, or perform a health assessment. K and L pod were sighted at Swiftsure Bank by DFO, no sign of J pod.

We were successful at staging all of the needed veterinary supplies at Friday Harbor Labs so they are readily available for the future. Dr. Hendrik Nollens from Sea World flew from San Diego to Friday Harbor today and is poised to conduct a health assessment on J50 and provide an injection of antibiotics to her if given the opportunity tomorrow. Sarah Wilkin, our National Stranding Coordinator also flew to Seattle and Sarah and I will be traveling to the San Juans early tomorrow morning to meet with the core team to discuss logistics and operations for the coming week. We will be on the island coordinating with the team on Tuesday and Wednesday.

The Whale Sanctuary Project and the Lummi Tribe in coordination with NWFSC did a test run today to work through the logistics of the transport of fish. Two vessels were utilized, the King Co. DNR & Parks Sound Guardian and the Lummi Tribe Enforcement vessel. There was a blessing of the fleet and the test run went smoothly with no significant challenges noted. This project is still pending authorization but will be available on Tuesday if given the approval to proceed.

WDFW Enforcement will be doing dedicated Southern Resident Killer Whale patrols over the next 7 days. Our response team will be working in coordination with Enforcement if their assistance is needed for perimeter control or support.

The Communications Team shared the below resources with the team earlier today:

http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/killer_whale/updates-j50-j35.html

Linked from the homepage under What's New <http://www.westcoast.fisheries.noaa.gov/index.html>

Linked from J50 news story: http://www.westcoast.fisheries.noaa.gov/stories/2018/08032018_srkw_j50.html

Short url <http://bit.ly/NOAAJ50J35>

There is also an email address that the public can use to email us their input and ideas, Killerwhale.help@noaa.gov

All for now, thanks everyone -

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell

Error! Filename not specified.

On Mon, Aug 6, 2018 at 1:57 PM, Kristin Wilkinson - NOAA Federal [REDACTED] wrote.
Hello All -

The evening debrief calls are going to focus on operations with the core field response team. After the nightly call, I will be providing email updates to all of you with what we accomplished that day and what our next day plans are. Thank you for being flexible and understanding as we get our operations and field teams staffed and organized.

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell

Error! Filename not specified.

On Sun, Aug 5, 2018 at 10:14 PM, Kristin Wilkinson - NOAA Federal [REDACTED] wrote:
Hi Everyone -

Thank you to those of you who were able to join us tonight for the Sunday debrief call. I apologize that I had to ask some of you to sign off since we were at capacity and some of the field response team was unable to sign in.

DFO reported seeing L's and K's west of Port Renfrew but J pod was not sighted today. Heavy fog has been present which has limited sightings of the whales.

We do have some updates on prioritization of field response activities;

1. Sample Collection - breath and fecal
2. Health Assessment & Injection of a long lasting antibiotic via pole syringe if possible, if not, remote delivery via Dan Inject. Dr. Marty Haulena and Dr. Jim McBain are on standby for Monday and Dr Hendrik Nollens on Tuesday The antibiotic treatment would not be available until Tuesday.
3. Providing temporary nutritional support therapy to J50 in coordination with The Whale Sanctuary Project, the Lummi Tribe and NWFSC. The Lummi Tribe will be doing a dry run on Monday and will be ready to

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la Loi sur l'accès à l'informa
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transport live fish on Tuesday. They would have ~ 12 fish per day. John Gussman will provide UAS services to document the process and whale behavior. Discussions will continue on oral medication treatment.

Communications provided an update from their team about the website, public input, social media (1 post per day), partner engagement, and the daily press call at 10am.

I'll be hosting our consultation team call tomorrow morning from 9:30-11 and will likely head up to the San Juans on Monday night or early Tuesday morning to meet with the team in person.

All for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell

Error! Filename not specified.

On Sat, Aug 4, 2018 at 10:13 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Good Evening Everyone -

Thank you to those of you who were able to join us tonight for the Saturday debrief call.

While J50 was not sighted today we can confirm that J pod is headed inland and was last sighted eastbound near Jordan River and Sooke around 7pm. They will likely come into the San Juan area tonight so we are very hopeful we will accomplish on Sunday the below goals;

1. Fecal sample collection from J50 - Deborah Giles, University of Washington
2. Breath sample collection from J50 - Hanson, NWFSC
3. Sample collection of skin if needed, areas of discoloration have been noted - Giles or Hanson
4. Veterinary medical assessment on J50 - Haulena, Vancouver Aquarium (Dr Haulena will be on Brad Hanson's vessel)
5. Additional imagery and video of J50 by UAS - Durban and Fernbach, SWFSC and SR3 Images of the flukes and overall skin appearance is of interest to the veterinarians as well as respiration rate
6. After the veterinary health assessment is complete a veterinarian call will be hosted by NOAA Fisheries - timing to be determined This will be a small group of veterinarians to discuss the best treatment for J50's condition

The NOAA Communications and External Affairs team provided a very valuable overview of their plans to communicate with the public and with the media. I'll let Ruth and Forbes outline their plan in a separate email. Any media inquiries can be directed to the Communications Team, [REDACTED] or via cell at [REDACTED]. Michael did reach out to the news directors in the Seattle area requesting they be mindful of the on-water activities so we can make the most of our time with J50 and the other SRKW's.


Many of you have asked for permission to view the Google Drive, here is a direct link and I will also follow up with an invite. We have all agreed that images will not be shared outside of the

group <https://drive.google.com/drive/folders/1Gg5Whty6QvPFPYJEUps2PtvTXgRDT5eq?usp=sharing>

We will plan to talk again tomorrow night, Sunday, August 5th at 9pm. Please call into 503-326-7672.

A huge thank you to everyone involved!

--

Kristin Wilkinson
NOAA Fisheries, Protected Resources Division
West Coast Region, Based in Seattle
Regional Stranding Coordinator, Washington & Oregon
206-526-4747 Office
 Cell

Error! Filename not specified.

--

Kristin Wilkinson
NOAA Fisheries, Protected Resources Division

Girouard, Louise

From: Girouard, Louise
Sent: Monday, August 13, 2018 9 09 PM
To: Michael Milstein - NOAA Federal; Sloan, Lara; Malikian, Janine; Bate, Dan; Jim Milbury, Ruth Howell - NOAA Federal; Forbes Darby - NOAA Federal
Subject: Re Thanks for your partnership

Michael,

I would echo your sentiments exactly... it's pretty amazing how this effort came together to accomplish what we needed to do... consistent messaging, same goal.

I am sure we will be in touch, thanks for your leadership and collaboration.

A bientot!

Louise

From: Michael Milstein - NOAA Federal
Sent: Monday, August 13, 2018 8:50 PM
To: Girouard, Louise; Sloan, Lara; Malikian, Janine; Bate, Dan; Jim Milbury; Ruth Howell - NOAA Federal; Forbes Darby - NOAA Federal
Subject: Thanks for your partnership

Hello DFO colleagues,

I just wanted to make sure you all saw that today we released [some interesting video](#) of the feeding trial, where you can see the boats release the salmon to J50 swimming between them. Now that we've hit all the major goals of the J50 response, I am hopeful we can all get back to something like our regular jobs again!

I have always enjoyed working with Lara, but I also wanted to thank all of your for your partnership and conversations over the last few weeks. They have been invaluable to us in terms of being consistent and clear in explaining our effort to the public. We had some bumps, of course, but in working together I think we dealt with those quickly and successfully.

Best wishes,

Michael

--
Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]



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Girouard, Louise

From: Forbes Darby - NOAA Federal [REDACTED]
Sent: Tuesday, August 14, 2018 5 00 PM
To: Kurt Russo, [REDACTED]
 [REDACTED] Deborah Giles, PhD, [REDACTED]
 [REDACTED] Katy Foster,
 [REDACTED] Jim McBain, RHQ - Media PAC,
Cc: Girouard, Louise, Malikian, Janine, Anthony Hillaire, Michael Mountain, Sloan, Lara
 Amilee Wilson - NOAA Federal, Ruth Howell - NOAA Federal, Sarah Mesnick - NOAA
 Federal, Michael Milstein - NOAA Federal, Jim Milbury - NOAA Federal
Subject: J50/Scarlet Communications Update 8/14

Good afternoon,

Just wanted to share our daily update, which we'll post online shortly (pasted below)

Again, we didn't conduct a media call today, but there continues to be good coverage in a variety of outlets. Here's just a short list of some of the coverage from yesterday which features photos and quotes from many of you.

Q13

NOAA not sure if starving orca J50 ate salmon provided during trial feeding

<https://q13fox.com/2018/08/13/starving-orca-j50-didnt-eat-live-salmon-provided-during-emergency-effort/>

Associated Press

Live salmon released for ailing orca, but she doesn't eat it

<https://www.kitsapsun.com/story/news/local/2018/08/13/live-salmon-released-ailing-orca-but-she-doesnt-eat/981008002/>

Yakima Herald/Seattle Times

Scientists attempt to feed live chinook to ailing orca J50, but did she eat?

http://www.yakimaherald.com/news/news_watch/scientists-attempt-to-feed-live-chinook-to-ailing-orca-/article_1d0853cb-0712-500d-99ba-8c485f859c5e.html

San Juan Islander

NOAA tried to feed J-50 off of the west side of San Juan Island

<http://sanjuanislander.com/news-articles/environment-science-whales/whales-2/27806/noaa-tried-to-feed-j-50-off-of-the-west-side-of-san-juan-island>

King 5 News

Scientists deliver salmon to ailing orca J50

<https://www.king5.com/article/tech/science/environment/scientists-deliver-salmon-to-ailing-orca-j50/281-583645402>

CBC

'Slogging' killer whale J-50 gets live fish delivery in latest attempt to save her

<http://www.cbc.ca/news/canada/british-columbia/j50-live-fish-delivery-chinook-salmon-1.4783362>

Social Media/Website Update

J50/Scarlet Update (8/14): Now that the response team has met all the initial goals for J50 / Scarlet's health assessment and treatment, and J Pod has headed out to open waters, biologists and veterinarians are taking stock of what they have learned so far. They are reviewing video footage and photos and processing samples to gain further insights into J50/Scarlet's health and behavior. @Fisheries and Oceans Canada, @UW, @CenterforWhaleResearch, and other partners continue to monitor the whales and collect fecal and prey samples (e.g., fish scales) when possible. The teams

will also review the results of the feeding trial Sunday (8/12) while they determine next steps. We are grateful to all our partners for their help, patience, and support over the past few weeks. The response team thanks all of you who are following this story closely for your support and positive wishes. Recovering these whales and the West Coast salmon runs they depend upon will take all of us. Find out how to help at bit.ly/NOAAJ50J35, where we also share the latest on the response, including photos and video footage.

--

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

2725 Montlake Blvd E

Seattle, WA 98112

Office 206-302-2474

Cell 

Johal, Mark

From: Harber, Lee
Sent: August-14-18 8 22 AM
To: Brekke, Heather
Cc: Webb, Cheryl
Subject: FW: SRKW Update Note - August 13
Attachments: MECTS-#3949687-v6-IN-Southern_Resident_Killer_Whale_Update.docx

FYI update to MINO – will continue to loop you guys in :)

Lee Harber
Marine Mammal Advisor
Fisheries and Oceans Canada
401 Burrard St. Vancouver, B C
(604) 666-1164 or BB: (613) 797-5146

From: Jenkins, Randy
Sent: 2018-August-13 2:38 PM
To: Thomson, Andrew; Davis, Neil; Harber, Lee
Subject: FW: SRKW Update Note - August 13

FYI...

From: Jenkins, Randy
Sent: Monday, August 13, 2018 5:38 PM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Lapointe, Sylvie <Sylvie.Lapointe@dfo-mpo.gc.ca>
Cc: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>; Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>
Subject: SRKW Update Note - August 13

Attached is the SRKW update note for today

Thanks

Randy

Southern Resident Killer Whale Update

(August 13, 2018 – 14 20 EDT)

Issue: The rapidly deteriorating health condition of Southern Resident Killer Whale (SRKW) J50 of SRKW J-pod has prompted the U.S. National Oceanic and Atmospheric Administration (NOAA) to propose an emergency action plan to treat her. The response team located J50 on Thursday, August 9th and began sampling and treatment. Additionally, J35 was last seen on Saturday August 11th travelling without her dead calf.

Update:

- NOAA held their daily media briefing at 10 am PDT to update on J50 and J35. DFO was represented by Andrew Thomson (Resource Management), Sheila Thornton (Science) and Paul Cottrell (Marine Mammal Unit). This is the last planned media briefing.
- J50 was observed off San Juan Island in US waters on Saturday August 11th and Sunday August 12th. The large tides and strong currents over the weekend made it difficult for J50 to swim well in the strong tide
 - The first trail fish feeding with J50 was conducted today, August 13th, in U.S. waters, in coordination with the Lummi Nation and with use of a drone for documentation.
 - Fish were placed 70-150 metres in front of J50, yet there is no confirmation as to whether J50 consumed the fish, which would indicate the first trial as unsuccessful.
 - Drone footage was collected during the trail feeding operation, which will be used to confirm that no fish were consumed and review the operation.
 - A fecal sample was collected over the weekend; however it is unknown whether the fecal samples came from J50 or J16 (mother) or J42 (brother), therefore genotyping will confirm this. The sample will be analyzed for basic nutrition, including stress hormones.
- An application from NOAA to conduct supplemental feeding for J50 in Canadian waters has not been received by DFO.
- Antibiotics have been ordered by NOAA and will be available early this week, if the response team is able to locate and administer another dose of antibiotics to J50.
- J35 was observed by the Centre for Whale Research in U.S. waters without her calf on Saturday August 11, 2018.
- As per NOAA's latest response team report, J pod is currently headed west and teams are on standby until they come back in closer to the coast.

**Pages 357 to / à 363
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pages 368 to / à 374**

TEMPLATE FOR MINISTER'S EXPLANATION FOR A PERMIT OR AGREEMENT UNDER THE SPECIES AT RISK ACT

Regional or Local Number: DFO-PATH number or Licence/Authorization number

Explanation for: *choose one applicable option*

- Permit
- Agreement
- Licence (*e.g* , *Experimental Fishing License under s 52 of the Fishery (General) Regulations*)
- Other (*e.g* , *Authorization under paragraph 35(2)(b) of the Fisheries Act*)

Start or Issue Date: (yyyy-mm-dd)

End or Expiry Date: (yyyy-mm-dd)

Purpose: *choose one applicable option*

- Scientific research beneficial to the conservation of the species and conducted by qualified persons [*for research that will contribute to the survival or recovery of the species, and is being conducted by qualified persons*]
- The activity benefits the species or is required to enhance its chances of survival in the wild [*for activities to benefit the species or to contribute to its survival or recovery, but is not scientific research as above*]
- Affecting the species is incidental to carrying out the activity [*for activities that are not directed at the species, including research on non-listed species or general biological surveys prior to a work or undertaking*]

English Description of Activity

Outline of the work

French Description of Activity

Issuing Authority

Fisheries and Oceans Canada

Authority Used

Species at Risk Act

Fisheries Act [for licences/authorizations under s. 74 only]

English Pre-Conditions:

a) Alternatives:

Describe the alternatives to the proposed activity that have been considered and basis for choice of why the proposed solution is the best

b) Measures to minimize impact:

Describe whether all feasible measures have been taken to minimize the impact of the activity on the species, its critical habitat, or the residences of individuals, including a description of the measures

c) Effects on survival and recovery:

Describe why the activity will not jeopardize the survival or recovery of the species. This should focus on explaining how any residual harm or losses from the activity will affect (or not affect) the overall population of the species. If possible, explain the loss in the context of allowable harm and the recovery objectives for the species. If any sort of impact assessment was done, the results should be explained here

French Preconditions:

a) Solutions de rechange .

b) Mesures visant à minimiser les impacts :

c) Effets sur la survie et le rétablissement :

English Terms and Conditions (optional)

*Describe any terms and conditions required to minimize the impact of the activity. **Do not** include personal or private information of permit holders, such as names, addresses, etc*

French Terms and Conditions (optional)

English Other Relevant Information (optional)

French Other Relevant Information (optional)

Locations of Activity:

Indicate the Provinces, Territories or Oceans

Affected Species

Common Name	Scientific name/Nom scientifique

Contact Person

The Species at Risk Regional Manager of the Region issuing the permit, and their full coordinates

Girouard, Louise

From: Girouard, Louise
Sent: Friday, August 17, 2018 8 44 AM
To: Michael Milstein - NOAA Federal, Sloan, Lara
Cc: Jim Milbury, Ruth Howell - NOAA Federal, Malikian, Janine
Subject: RE J50 media coverage

Thank you Michael for the attached document – we are also anxious to keep telling the story given all the managements measures we have taken to ensure prey availability for SRKW, and the ongoing research under the Ocean Protection Program. Media requests re. J50 have subsided but still lots of interest via social media. If you can keep us in the loop as to your update/activities that would be useful and we will do same.

Also, I notice and email exchange between Jared and Lynda Mapes from the Seattle times yesterday – he noted that Sheila Thornton is conducting some research on northern residents in the area of Alert Bay/Telegraph Cove this month. We will follow-up and keep you posted as to when/if they do connect.

Cheers,
 L

From: Michael Milstein - NOAA Federal <[REDACTED]>
Sent: Thursday, August 16, 2018 11 26 PM
To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>, Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>
Cc: Jim Milbury <[REDACTED]>, Ruth Howell - NOAA Federal <[REDACTED]>
Subject: J50 media coverage

Hello DFO colleagues,

I wanted to share a few développments with you as we have a chance to catch our breath from the last few weeks.

I have had a few reporters ask me about the Northern Resident killer whales, and why they seem to be doing so much better than the Southern Residents. I suggested that they talk with Lance Barrett-Lennard at the Vancouver Aquarium, but am also happy to suggest DFO experts if you would like me to. Or I can refer them to you, Lara, and you can advise them directly. One of our scientists recommended Jared Towers at DFO. Would he be appropriate? One of the reporters also asked about experts on their food supply, so salmon experts within the range of the Northern Residents might also be helpful.

Just let us know your preferences.

Also, we expect in the next few days to see an article in The Seattle Times about the plan that was the foundation for our response on J50. We shared the plan since it is a public document and it outlines the various strategies and contingencies surrounding J50. I expect that the story will raise some of the challenging questions about intervening to help a wild animal. I expect that once that story comes out, others will ask for the plan. I am attaching it to this email in case you have not seen it and want to take a look. I presume this was part of the application to DFO? I apologize for not knowing that.

We believe that NOAA Fisheries needs to have a strong voice in the media as these questions are discussed. We want to convey how hard our people are working to make the right choices to protect these animals. I just want to share that so you know our thinking in terms of engagement with the media. Of course we will do our best to continue to share our thinking, but please also do not hesitate to ask.

Also, we are thinking about how best to manage coverage of some upcoming research on the Southern Residents. DFO is funding this research, so we would like your input. I will shortly send you another email describing our thinking.

Thanks again for your partnership.

Best,
Michael

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell [REDACTED]
[REDACTED]



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s.19(1)
s.21(1)(a)
s.21(1)(b)
s.23

Jenkins, Randy

From: Gilchrist, Brett
Sent: Friday, August 17, 2018 11:44 AM
To: Makkay, Kristina
Cc: Busby, Corina; Jenkins, Randy; Moore, Kendra; McRory, Jody
Subject: RE: J50 licence

Thanks Kristina I completely agree.

[REDACTED]

Brett

From: Makkay, Kristina
Sent: August-16-18 11:36 AM
To: Gilchrist, Brett
Cc: Busby, Corina; Jenkins, Randy
Subject: FW: J50 licence

Here is the template for developing the explanation to go on the SARA Public Registry.

Please keep me in the loop on this.

[REDACTED]

Kristina Makkay
Species at Risk Program
Fisheries and Oceans Canada | Pêches et Océans Canada
Kristina.Makkay@dfo-mpo.gc.ca / 613-371-4998

Programme sur les espèces en péril
Pêches et Océans Canada
Kristina.Makkay@dfo-mpo.gc.ca / 613-371-4998

From: Greene, Annely
Sent: August-15-18 4:29 PM
To: Makkay, Kristina
Subject: J50 Path entry

Hi Kristina, I [REDACTED] heard all about the situation. I am now catching up on emails. It would be great if Ottawa can take care of the Path entry and registry explanation? Thanks, Annely

From: Makkay, Kristina
Sent: August-09-18 7:00 AM
To: Greene, Annely
Subject: FW: CTV media call -- Media line for approval

Hi Annely,

Will the Region be taking care of the PATH entry and Registry explanation for this one, or will I need to sort it out in Ottawa?

From: Gilchrist, Brett
Sent: August-09-18 9:27 AM
To: Makkay, Kristina
Cc: Jenkins, Randy; Busby, Corina
Subject: RE: CTV media call -- Media line for approval

From: Makkay, Kristina
Sent: August-09-18 9:24 AM
To: Gilchrist, Brett
Cc: Jenkins, Randy; Busby, Corina
Subject: RE: CTV media call -- Media line for approval

That is true Is it being issued out of NHQ or in the Region?

From: Gilchrist, Brett
Sent: August-09-18 9:17 AM
To: Makkay, Kristina
Cc: Jenkins, Randy; Busby, Corina
Subject: RE: CTV media call -- Media line for approval

Thanks Kristina.

From: Makkay, Kristina
Sent: August-09-18 9:14 AM
To: Gilchrist, Brett
Cc: Jenkins, Randy; Busby, Corina
Subject: RE: CTV media call -- Media line for approval

From: Gilchrist, Brett
Sent: August-09-18 9:13 AM
To: Petrovic, Marina; Makkay, Kristina; Busby, Corina
Cc: Jenkins, Randy
Subject: RE: CTV media call -- Media line for approval

Brett

From: Petrovic, Marina
Sent: August-09-18 9:00 AM
To: Makkay, Kristina; Busby, Corina
Cc: Gilchrist, Brett; Jenkins, Randy
Subject: RE: CTV media call -- Media line for approval
Importance: High

Hi Kristina,

Brett et al, can you provide guidance on this?

Marina Petrovic

Senior Fisheries Management Officer | agent principal de la gestion des pêches
Fisheries and Oceans Canada | Pêches et Océans Canada
200 Kent Street | 200, rue Kent
Ottawa, Ontario Canada K1A 0E6
Telephone | Téléphone **NEW 613-998-1779**
E-Mail | Courriel marina.petrovic@dfo-mpo.gc.ca
Government of Canada | Gouvernement du Canada

From: Makkay, Kristina
Sent: August-09-18 8:57 AM
To: Busby, Corina
Cc: Petrovic, Marina
Subject: RE: CTV media call -- Media line for approval


From: Busby, Corina
Sent: August-09-18 8:54 AM
To: Makkay, Kristina
Subject: FW: CTV media call -- Media line for approval

From: Smith, Kathleen
Sent: 2018-August-08 5:59 PM
To: Winfield, Nicholas; Stewart, Julie
Cc: Saindon, Carole; Jackson, Ashley; Busby, Corina
Subject: Re: CTV media call -- Media line for approval


Nick, we're going to move this to Phillippe, as we are running out of time.
Carmel in PAC has approved as did Sylvie, and Julie is OK with that line so am trusting that we are OK.
PAC has 6 more calls on this permitting aspect that they will use these lines to close.
Will cc you on note to Philippe
Thank you

K


From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 5:35 PM
To: Winfield, Nicholas; Stewart, Julie
Cc: Saindon, Carole; Jackson, Ashley; Busby, Corina
Subject: RE: CTV media call -- Media line for approval



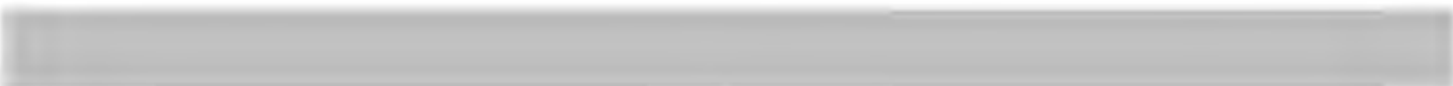
From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 5:28 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>, Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>, Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>, Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval



From: Winfield, Nicholas
Sent: Wednesday, August 8, 2018 5:10 PM
To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>, Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>, Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>, Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval



From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 5:08 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>, Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>, Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>, Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval
Importance: High



From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 5:04 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

Thank you, Julie had other minor edits as well. Propose to send this to Philippe next. Is also with PAC region.

PROPOSED RESPONSE:

-
-
-
-

From: Winfield, Nicholas
Sent: Wednesday, August 8, 2018 4:55 PM
To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 4:50 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: FW: CTV media call -- Media line for approval

Sorry - response revised slightly – CTV is the media outlet
 Seeking your approval asap please.

We will also still be moving a full set of media lines and Qs&As through approvals in time for tomorrow's media avail
 that Paul and Sheila will participate in -10am PAC time

K

s.19(1)
s.21(1)(a)
s.21(1)(b)

From: Jackson, Ashley
Sent: Wednesday, August 8, 2018 4:37 PM
To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.McElhone@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

Sorry all. Revised slightly.

ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50. Paul Cottrell has repeatedly said that permits are not currently in place to give J50 antibiotics via syringe or to feed her live chinook. He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States.

My question is: why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

DEADLINE: 3-3:30 pm PST.

APPROVED BY:

PROPOSED RESPONSE:

-
-
-
-

From: Jackson, Ashley
Sent: August-08-18 4:31 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: CTV media call -- Media line for approval

Hi there,
I just got a call from Vance -- they have a call in MINO about clarifying our position on permits. I would recommend the following line: Can all of you circulate for concurrent approvals ASAP so that Vance can get back to the reporter by their 5:30 deadline. Carole can you follow up with Vance with more details while we run approvals?

Proposed response

Ashley Jackson

s.16(2)

s.21(1)(a)

s.21(1)(b)

Communications Manager, Fisheries and Harbour Management
Fisheries and Oceans Canada / Government of Canada
ashley.jackson@dfo-mpo.gc.ca / Cel [REDACTED]

Gestionnaire des communications, Gestion des pêches et des ports
Pêches et Océans Canada / Gouvernement du Canada
ashley.jackson@dfo-mpo.gc.ca / Tél Cell : [REDACTED]

Dickie, Catherine

From: Lowe, Carmel
Sent: August-20-18 5:12 PM
To: Cottrell, Paul; Davis, Neil
Cc: Thomson, Andrew, Kennedy, Eddy; MacDougall, Lesley; Christensen, Lisa
Subject: RE: Lab findings and treatment priorities

Ok thanks.

Carmel
Carmel Lowe, Ph.D.
Regional Director Science | Directrice régionale des sciences Fisheries and Oceans Canada | Pêches et Océans Canada
Pacific Biological Station | Station biologique du Pacifique
3190 Hammond Bay Rd, Nanaimo, BC, Canada V9T 6N7 Carmel.Lowe@dfo-mpo.gc.ca Téléphone | Téléphone 250-756-7177 Facsimile | Télécopieur 250-729-8360 Government of Canada | Gouvernement du Canada

-----Original Message-----

From: Cottrell, Paul
Sent: August 20, 2018 5:07 PM
To: Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Cc: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>; MacDougall, Lesley <Lesley.MacDougall@dfo-mpo.gc.ca>; Christensen, Lisa <Lisa.Christensen@dfo-mpo.gc.ca>
Subject: Re: Lab findings and treatment priorities

Hi Carmel,
Waiting for the proposal/application from NOAA. Will send it along as soon as we receive.
Thanks so much,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

Original Message
From: Lowe, Carmel
Sent: Monday, August 20, 2018 4:49 PM
To: Davis, Neil
Cc: Cottrell, Paul; Thomson, Andrew; Kennedy, Eddy; MacDougall, Lesley; Christensen, Lisa
Subject: RE: Lab findings and treatment priorities

Ok - looping CSAP folks in here as this is the designated window for clients to submit requests for science advice can you send us a copy of the NOAA proposal?

Carmel
Carmel Lowe, Ph.D.
Regional Director Science | Directrice régionale des sciences Fisheries and Oceans Canada | Pêches et Océans Canada
Pacific Biological Station | Station biologique du Pacifique
3190 Hammond Bay Rd, Nanaimo, BC, Canada V9T 6N7 Carmel.Lowe@dfo-mpo.gc.ca Téléphone | Téléphone 250-756-7177 Facsimile | Télécopieur 250-729-8360 Government of Canada | Gouvernement du Canada

-----Original Message-----

From: Davis, Neil
Sent: August 20, 2018 4:34 PM
To: Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>; Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>
Cc: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: FW: Lab findings and treatment priorities

Just an advance heads up -



-----Original Message-----

From: Cottrell, Paul
Sent: Monday, August 20, 2018 10:14 AM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Subject: RE: Lab findings and treatment priorities

Hi Neil,



Animals currently offshore and no NOAA response planned for today. Conditions are very poor with smoke/fog Cheers, Paul

-----Original Message-----

From: Davis, Neil
Sent: August-20-18 10:02 AM
To: Cottrell, Paul
Subject: FW: Lab findings and treatment priorities

Paul, see Randy's question below.



-----Original Message-----

From: Jenkins, Randy
Sent: Monday, August 20, 2018 9:56 AM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>
Subject: RE: Lab findings and treatment priorities

Thanks...



-----Original Message-----

From: Davis, Neil
Sent: Monday, August 20, 2018 12:45 PM

To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>; Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>
Subject: FW: Lab findings and treatment priorities

Fyi. Vet assessment summary is outlined below.

-----Original Message-----

From: Girouard, Louise

Sent: Sunday, August 19, 2018 11:56 AM

To: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>; Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>; Webb, Cheryl <Cheryl.Webb@dfo-mpo.gc.ca>; Cauffope, Genevieve <Genevieve.Cauffope@dfo-mpo.gc.ca>

Subject: Re: Lab findings and treatment priorities

Thanks Paul.

My BB was playing games this morning. NOAA has been tweeting out the information and we are retweeting.

Here is one of the articles:

<https://www.cbc.ca/news/canada/british-columbia/researchers-lead-cause-distressed-killer-whale-j-50-illness-1.4790442>

L

Original Message

From: Cottrell, Paul

Sent: Saturday, August 18, 2018 9:03 AM

To: Girouard, Louise; Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Lowe, Carmel; Sloan, Lara; Thornton, Sheila; Harber, Lee; Webb, Cheryl; Cauffope, Genevieve

Subject: Fw: Lab findings and treatment priorities

Hi All,

Fyi, some information and analysis from the veterinarian team on the parasite found in the recent collected fecal sample from J-pod. Dr Raverty from the Abbotsford animal health Centre has been instrumental in review/evaluation. Louise it may be worth working with Mike (NOAA comms) and Dr Raverty to ensure our comms materials are consistent. Let me know how I can help.

Best,

Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

Original Message

From: Raverty, Stephen AGRI:EX <Stephen.Raverty@gov.bc.ca>

Sent: Friday, August 17, 2018 5:39 PM

To: Cottrell, Paul

Subject: Fw: Lab findings and treatment priorities

From: Raverty, Stephen AGRI:EX

Sent: Friday, August 17, 2018 5:27:06 PM

To: Michael Milstein - NOAA Federal

Cc: Jim Milbury; Ruth Howell - NOAA Federal; Raverty, Stephen AGRI:EX
Subject: Re: Lab findings and treatment priorities

hi Michael,

the paragraph reads well and is fine as is, but i have added a few edits by track changes in the attached word document that may be more accurate, you are welcome to consider them as needed.

At present both the antibiotic and parasite treatments can be administered by dart or pole syringe, but not necessarily at the same time, so there may be to be some consideration given as to which treatment is the priority. Most likely the antibiotic, but this may still be under review.

cheers

Stephen

From: Michael Milstein - NOAA Federal
Sent: Friday, August 17, 2018 3:51 PM
To: Raverty, Stephen AGRI:EX
Cc: Jim Milbury; Ruth Howell - NOAA Federal
Subject: Re: Lab findings and treatment priorities

Stephen,

Thank you so much for this background and explanation. It's very helpful to us in understanding how to explain the findings to the public.

Can you tell me if the following reads accurately to you?

August 17: Results are starting to come in from several top laboratories around the country that are supporting the J50/Scarlet response. First, a fecal sample collected last weekend from a group of three J Pod whales (J16/Slick, J42/Echo, and J50/Scarlet), showed high levels of Contracaecum, a nematode parasite that is commonly found in killer whales and other marine mammals. (In a healthy marine mammal, presence of this nematode is not usually a problem. In animals that are emaciated or otherwise compromised, however, the nematode can burrow through the stomach lining introducing infection to the bloodstream, or it can bore into the internal organs and cause damage and pathology.) While we cannot be sure the sample came from J50/Scarlet, the veterinary team has updated her treatment priorities to include antibiotics and a dewormer. Both have proved successful and safe in other cetaceans. The treatment will help J50/Scarlet by reducing burdens on her system and help her to start regaining the weight she has lost. The whales remain in open waters off the west side of Vancouver Island, beyond the reach of the response teams.

Thank you again for your willingness to help us communicate this to the public.

Best wishes,
Michael

On Fri, Aug 17, 2018 at 12:12 PM, Raverty, Stephen AGRI:EX
<Stephen.Raverty@gov.bc.ca<mailto:Stephen.Raverty@gov.bc.ca>> wrote:

Hi Michael,

Thank you for the note below. It is important to appreciate that these parasites are widespread within the population of killer whales and other marine mammal species (cetaceans and pinnipeds) and it is not unusual to identify them on post mortem exam of animals that may die of conditions unrelated to parasitism (ship strike, HABs etc). As these whales prey share and eat the same fish species, it is likely that they have all been exposed and are infected with varying worm burdens.

Typically the parasites may lie over or migrate through the folds of the stomach lining or may be interspersed within the contents of the small and large intestinal track. However, in stranded animals that present with evidence of debilitation or feature other more chronic disease processes, in the nonglandular compartment (of the stomach) the parasites (Contracaecum) may burrow through the lining of stomach, resulting in a nodular proliferations and scar formation in the wall of the stomach. We try to gauge the number of these nodules, the size of any associated ulcers, and number and depth of worms penetrating within the stomach ulcers and digestive track, in context of the overall health of an individual animal. An animal that is in good body condition and able to successfully forage can have large numbers of worms present with no evidence of systemic or clinical disease; whereas, an animal that may have other health issues (including emaciation) may have smaller numbers of worms that can result in more significant tissue injury or pathology. The stomach ulcers can be a concern and some of the consequences of these lesions may include introduction of stomach or intestinal bacteria into the blood stream with secondary septicemia or in more extreme circumstances, perforation of the wall with secondary peritonitis. Some worms can migrate through the lining of the stomach or intestine and travel along the surface or through the internal organs with some associated pathology.

In the fecal sample collected in the vicinity of J16, 42 and 50, moderate numbers of eggs were identified by fecal floatation. The actual numbers of worms in the digestive track and associated pathology cannot be inferred from this finding alone and inadvertent treatment of J16, J42 or another whale within the pod should not have an adverse impact. The parasite treatment and antibiotic have proved successful and safe in other cetacean species.

Please let me know if this helps, would be pleased to call early afternoon should you need any clarification or other details. If needed, you can share your questions with the vet group to see if there may be a consensus of clinical and pathologic interpretations.

Kindest regards,
Stephen

From: Michael Milstein - NOAA Federal [mailto: [REDACTED] :mailto: [REDACTED]
Sent: Friday, August 17, 2018 11:20 AM
To: Raverty, Stephen AGRI:EX
Cc: Kristin Wilkinson - NOAA Affiliate; Jim Milbury; Ruth Howell - NOAA Federal
Subject: Lab findings and treatment priorities

Hello Stephen,

I hope you are doing well. It has been good to hear your voice on the debrief calls over the last few weeks.

I wanted to let you know that we (the communications team) are planning to begin sharing the lab results for J50 as they come in. We will of course do so only after the veterinary team has considered the results and the treatment priorities. Please let us know if you have any concerns.

One question I have is, how does Contracaecum affect the animal? As we strive to translate the findings for the public, we would like to help them understand what this finding tells us about J50's condition, and how we plan to respond to that. Is there any concern about the treatment affecting another animal if the fecal sample turns out to be from a different animal than J50?

Thank you for all your hard work on this response.

Best,
Michael

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region<<http://www.westcoast.fisheries.noaa.gov/>>, Northwest Fisheries Science Center<<http://www.nwfsc.noaa.gov/>>, Southwest Fisheries Science Center<<https://swfsc.noaa.gov/>>

Office: 503-231-6268

Cell: [REDACTED]

michael.milstein@noaa.gov<mailto:[REDACTED]>

[https://lh3.googleusercontent.com/H6MnkdnMfv4eUX0GhR2-SN83dAP1RxN0N_SRDwm95o_X2Vfwry9KuzzziZ3CFj3ZzJpcntkUS2ydNqWe9FylscKNakMZMDENWjC07X5ao37H1iV51awX6yiU3oUj]

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WBZhmlLH5eLfYq6EOV_E8XNGKJkOvgIgpSLv-6f4jVu6f4SGE3KHxJ56KNz-
ZqfBEyxatjAjlWiWdPY3l16gBmtl1XDxutKeprUjB9bvmNkaBZ8jvWAUo4iaSg]<<http://www.youtube.com/usnoaafisheriesgov>>

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Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region<<http://www.westcoast.fisheries.noaa.gov/>>, Northwest Fisheries Science
Center<<http://www.nwfsc.noaa.gov/>>, Southwest Fisheries Science Center<<https://swfsc.noaa.gov/>>

Office: 503-231-6268

Cell: [REDACTED]

[REDACTED]
[https://lh3.googleusercontent.com/H6MnkdMfv4eUX0GhR2-SN83dAP1RxN0N_SRDwm95o_X2Vfwry9KuzzziZ3CFj3ZzJpcntkUS2ydNqWe9FylscKNakMZMDENWjC07X5ao37H1iV51awX6yiU3oU]

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Patrick, Lindsey

From: Jenkins, Randy
Sent: August-20-18 3:39 PM
To: Waddell, Mark, Day, Robert
Cc: Lapointe, Sylvie; Burns, Adam, Patrick, Lindsey, Gilchrist, Brett, Scott, Paul G
Subject: SRKW DM Update Note
Attachments: MECTS-#3949687-v7-IN-Southern_Resident_Killer_Whale_Update docx

Please find attached an updated INFO note for the DM on the latest on the J-Pod Killer Whale situation in Pacific
Thanks
Randy

Southern Resident Killer Whale Update

(August 20, 2018 – 15 30 EDT)

Issue: The deteriorating health condition of Southern Resident Killer Whale (SRKW) J50 of SRKW J-pod has prompted the U S National Oceanic and Atmospheric Administration (NOAA) to propose an emergency action plan to treat her. The response team located J50 on Thursday, August 9th and began sampling and treatment. Additionally, J35 was seen on Saturday August 11th travelling without her dead calf.

Update:

- J-pod was observed yesterday August 19th in Canadian waters heading west from Sheringham Point, off southwest Vancouver Island into offshore waters.
- Smoke from the interior of BC fires along with swell and wind make killer whale observations in offshore waters difficult.
- Monitoring efforts for SRKW in Canadian waters include:
 - Straitwatch, a DFO supported stewardship program that monitors vessel behaviour around SRKW in the Strait of Juan de Fuca;
 - DFO Resource Management Marine Mammal Response program are monitoring observations in the in-shore waters of the Strait of Juan de Fuca;
 - Conservation and Protection are notified of J-pod presence in in-shore waters; and
 - Brian Gisborne, a marine mammal researcher under contract with DFO, is participating in monitoring efforts in off-shore waters;
- Fecal analysis from the sample collected on August 12th indicates the presence of moderate levels of a nematode parasite.
 - In healthy animals, the presence of nematodes is not a problem; however in emaciated or otherwise compromised marine mammals, the parasite can cause additional issues, such as bacterial infection in the blood or bore into internal organs.
 - Genotypic analysis still needs to confirm whether this sample is from J50 or another member of J-pod.
- NOAA indicates that the veterinary team has updated J50's treatment priorities to include antibiotics and a dewormer, due to the fecal analysis findings.
 - As J-pod is off the west side of Vancouver Island, it is beyond the reach of the NOAA response team presently.
- Discussions are underway to ensure appropriate authorization and personnel will be in place in Canadian waters if deworming is deemed an appropriate treatment option.

Barton, Meagan

From: Cottrell, Paul
Sent: August-20-18 8 37 AM
To: Girouard, Louise, Thomson, Andrew, Davis, Neil, Kennedy, Eddy, Lowe, Carmel, Sloan, Lara, Thornton, Sheila, Harber, Lee, Webb, Cheryl, Moore, Kendra
Subject: J-Pod Update

Hi All,
J-pod was last seen yesterday afternoon, heading west offshore from Sheringham Point. Strait Watch (DFO HSP funded program) has been covering off observations in in-shore waters along with the DFO RM MM response program. Conservation and Protect has been notified when/where J-pod are in in-shore waters and have been on-water on multiple occasions. Brian Gisborne (on contract with DFO) MM researcher will be working the next week to assist with monitoring and re-sighting J-pod in off-shore waters. I will update you if J-pod is located today and provide any updates as they happen.

Best,

Paul Cottrell
Pacific Marine Mammal Coordinator
Fisheries and Oceans Canada
200-401 Burrard St
Vancouver, BC
V6C 3S4
(604) 666-9965

From: Cottrell, Paul
Sent: Saturday, August 18, 2018 9 03 AM
To: Girouard, Louise, Thomson, Andrew, Davis, Neil, Kennedy, Eddy; Lowe, Carmel, Sloan, Lara; Thornton, Sheila, Harber, Lee, Webb, Cheryl, Cauffope, Genevieve
Subject: Fw: Lab findings and treatment priorities

Hi All,
FYI, some information and analysis from the veterinarian team on the parasite found in the recent collected fecal sample from J-pod. Dr Raverty from the Abbotsford animal health Centre has been instrumental in review/evaluation. Louise it may be worth working with Mike (NOAA comms) and Dr Raverty to ensure our comms materials are consistent. Let me know how I can help.
Best,
Paul

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Original Message
From: Raverty, Stephen AGRI EX <Stephen.Raverty@gov.bc.ca>
Sent: Friday, August 17, 2018 5:39 PM
To: Cottrell, Paul
Subject: Fw: Lab findings and treatment priorities

From: Raverty, Stephen AGRI EX
Sent: Friday, August 17, 2018 5 27 06 PM

To Michael Milstein - NOAA Federal
Cc Jim Milbury, Ruth Howell - NOAA Federal; Raverty, Stephen AGRI EX
Subject Re Lab findings and treatment priorities

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Stephen

From Michael Milstein - NOAA Federal
Sent Friday, August 17, 2018 3 51 PM
To Raverty, Stephen AGRI EX
Cc Jim Milbury, Ruth Howell - NOAA Federal
Subject Re Lab findings and treatment priorities

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Thank you again for your willingness to help us communicate this to the public.

Best wishes,

Michael

s.19(1)

On Fri, Aug 17, 2018 at 12:12 PM, Raverty, Stephen AGRI:EX
<Stephen.Raverty@gov.bc.ca<mailto:Stephen.Raverty@gov.bc.ca>> wrote:
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Please let me know if this helps, would be pleased to call early afternoon should you need any clarification or other details. If needed, you can share your questions with the vet group to see if there may be a consensus of clinical and pathologic interpretations.

Kindest regards,
Stephen

From: Michael Milstein - NOAA Federal [mailto:]
Sent: Friday, August 17, 2018 11:20 AM
To: Raverty, Stephen AGRI:EX
Cc: Kristin Wilkinson - NOAA Affiliate; Jim Milbury; Ruth Howell - NOAA Federal
Subject: Lab findings and treatment priorities

Hello Stephen,

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One question I have is, how does Contracaecum affect the animal? As we strive to translate the findings for the public, we would like to help them understand what this finding tells us about J50's condition, and how we plan to respond to that. Is there any concern about the treatment affecting another animal if the fecal sample turns out to be from a different animal than J50?

Thank you for all your hard work on this response.

Best,
Michael

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region<<http://www.westcoast.fisheries.noaa.gov/>>, Northwest Fisheries Science Center<<http://www.nwfsc.noaa.gov/>>, Southwest Fisheries Science Center<<https://swfsc.noaa.gov/>>

Office 503-231-6268

Cell [REDACTED]

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--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region<<http://www.westcoast.fisheries.noaa.gov/>>, Northwest Fisheries Science Center<<http://www.nwfsc.noaa.gov/>>, Southwest Fisheries Science Center<<https://swfsc.noaa.gov/>>

Office 503-231-6268

Cell [REDACTED]

[https://lh3.googleusercontent.com/H6MnkdnMfv4eUX0GhR2-SN83dAP1RxNON_SRDwm95o_X2Vfwry9KuzzziZ3CFj3ZzJpcntkUS2ydNqWe9FylscKNakMZMDENWjC07X5ao37H1iV51awX6yiU3oU]

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Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Tuesday, August 21, 2018 8 55 AM
To: Girouard, Louise
Subject: Re Draft NOAA Fisheries article on DTAG research

Yes, and on our website We have decided not to do a press conference or availability because the researchers need focused time right now.

On Tue, Aug 21, 2018 at 8:51 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:

Social media only?

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Tuesday, August 21, 2018 8:50 AM
To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Cc: Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Jim Milbury [REDACTED] Ruth Howell - NOAA Federal [REDACTED], Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>
Subject: Re: Draft NOAA Fisheries article on DTAG research

This would probably be the week of August 27, the week before the research begins. Not sure what day yet.

On Tue, Aug 21, 2018 at 8:47 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:

Thanks Michael – when do you plan to release?

L

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Monday, August 20, 2018 8:16 PM
To: Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Cc: Jim Milbury [REDACTED] Ruth Howell - NOAA Federal [REDACTED] Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>
Subject: Draft NOAA Fisheries article on DTAG research

Hello colleagues,

I'm attaching our draft article about the upcoming DTAG research on killer whales that DFO is helping to pay for. (Thank you!)

Our researchers are reviewing this, but we welcome your feedback as well. We want to portray this research accurately on both sides of the border. Given the attention to J50, this is likely to attract broad interest

Please feel free to share suggested edits or feedback

Best,

Michael

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]



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Cell: [REDACTED]



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Girouard, Louise

From: Girouard, Louise
Sent: Tuesday, August 21, 2018 8 48 AM
To: Michael Milstein - NOAA Federal, Sloan, Lara
Cc: Jim Milbury, Ruth Howell - NOAA Federal, Malikian, Janine
Subject: RE Draft NOAA Fisheries article on DTAG research

Thanks Michael – when do you plan to release?

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From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Monday, August 20, 2018 8.16 PM
To: Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Cc: Jim Milbury [REDACTED] Ruth Howell - NOAA Federal [REDACTED] Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>
Subject: Draft NOAA Fisheries article on DTAG research

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I'm attaching our draft article about the upcoming DTAG research on killer whales that DFO is helping to pay for. (Thank you!)

Our researchers are reviewing this, but we welcome your feedback as well. We want to portray this research accurately on both sides of the border. Given the attention to J50, this is likely to attract broad interest.

Please feel free to share suggested edits or feedback.

Best,

Michael

--

Michael Milstein
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Nighttime research on endangered killer whales may help protect them from noise

August 2018

Next week researchers from NOAA Fisheries will begin studying the nighttime behavior of Southern Resident killer whales to better understand how much time they spend foraging and their use of sound, and to inform policies that might better protect the whales from vessel noise

Underwater ship noise can disrupt the whales' use of echolocation, a series of rapid clicks, to detect, track and capture prey. That limits their foraging opportunities and forces them to expend extra energy at a time when they can least afford it.

Understanding whether the endangered whales forage at night, and how they use sound, might open the door to management actions that could reduce impacts on the whales. If they forage less at night, for example, that might be a time when large cargo ships could transit the area with less disturbance.

'If we can find out when they're foraging, and how they are using sound at night, we'll better understand when protection may be most important,' said Marla Holt, a research scientist at NOAA Fisheries' Northwest Fisheries Science Center (NWFS) and leader of the project.

Fisheries and Oceans Canada is largely funding the research, with NOAA Fisheries providing staff time and scientific expertise.

The study will use digital acoustic recording tags (DTAGs) attached with suction cups to the whales. Scientists will apply the tags to the whales with long poles. During previous tagging they typically saw the whales return to normal diving behavior within minutes. The tags usually remain on the whales for about one or two days until they fall off on their own.

"This is about as careful as we can be, with the least impact on the whales, that allows us to get the data that will inform decisions long-term," Holt said.

The Southern Resident killer whale population now numbers 75, its lowest point in close to three decades. NOAA Fisheries is carrying out an action plan of priority steps to address the three main threats to the whales: vessel traffic and noise, availability of prey, and chemical pollution and contaminants. The latest research informs those efforts.

While researchers have extensively studied Southern Resident behavior during the day, they have limited data on the whales at night. The DTAGs record sound, and the whales'

movements, which reveal whether they are actively foraging, and at what times, researchers said

Shipping traffic through the Salish Sea, the heart of the whales' range, has increased in recent years, and is projected to increase further. Authorities in Canada and the United States are considering options for managing the shipping traffic to reduce impacts on the killer whales, which are also protected in Canada

FOR MORE INFORMATION

Killer whale DTAG research at NWFSC

<https://www.nwfsc.noaa.gov/research/divisions/cb/ecosystem/marinemammal/dtags.cfm>

Southern Resident killer whales

<http://www.westcoastfisheries.noaa.gov/protected-species/marine-mammals/killer-whale/>

Patrick, Lindsey

From: Jenkins, Randy
Sent: August-22-18 5:17 PM
To: Waddell, Mark; Patrick, Lindsey
Cc: Burns, Adam, Lapointe, Sylvie, Gilchrist, Brett, Scott, Paul G; Moore, Kendra
Subject: FW: SRKW Update Note
Attachments: MECTS-#3949687-v8-IN-Southern_Resident_Killer_Whale_Update docx

FYI.... Attached is today's update note on SRKW, based on the information provided by Pacific Region today.

Southern Resident Killer Whale Update

(August 22, 2018 – 15 00 EDT)

Issues: The deteriorating health condition of Southern Resident Killer Whale (SRKW) J50 of SRKW J-pod has prompted the U.S. National Oceanic and Atmospheric Administration (NOAA) to propose an emergency action plan to treat her. The response team located J50 on Thursday, August 9th and began sampling and treatment.

Update:

- A super SRKW pod, including J-pod, K-pod and L-pod, was seen yesterday evening August 21, 2018 at 6:45pm PDT off the west coast of Vancouver Island.
 - J50 was seen with her mother J16, who was foraging, off Carmanah Point travelling towards Nitnat.
 - Visibility for killer whale observations is poor due to the smoke from BC interior fires.
- DFO received an application from NOAA to include the following treatments to J50: anti-parasitic treatment via a pole syringe or remote dart delivery, and the use of collared needles on darts to help the dart adhere to the whale.
 - DFO Science, as well as Dr. Steven Raverty (provincial marine mammal veterinarian) are reviewing the application to provide comments on the additional treatments.
 - DFO is drafting an amended Authorization to Disturb Marine Mammals to include these treatment options if supported.
 - Currently, NOAA is authorized to conduct sampling of J50, including breath, fecal, mucus and skin; visual veterinary health assessment; and provide antibiotic treatment via pole syringe or remote delivery under the Authorization to Disturb Marine mammals pursuant to section 38 of the *Marine Mammal Regulations*, in addition to provisions under section 52 of the *Fisheries (General) Regulations* and section 74 of *Species at Risk Act* that was issued on August 9th.
- J35 was seen on Saturday August 11th travelling without her dead calf.

Patrick, Lindsey

From: Jenkins, Randy
Sent: August-23-18 5 00 PM
To: Lapointe, Sylvie; Waddell, Mark, Burns, Adam
Cc: Scott, Paul G, Moore, Kendra, Gilchrist, Brett, Davis, Neil
Subject: SRKW Updated Info Note
Attachments: MECTS-#3949687-v9-IN-Southern_Resident_Killer_Whale_Update docx

Attached for your review and onward transmission is today's updated note with the latest info from the Pacific Region on the SRKW.

Thank you

Randy

*Randy P. Jenkins
Director - Integrated Resource Management – National Programs
Directeur - Gestion des ressources intégrées – Programmes nationale
Fisheries and Harbour Management / Gestion des pêches et des ports
200 rue Kent Street, 13W065
Ottawa, Ontario, K1A 0E6*

*Tel/Tel (613) 990-0018 Fax/Télécopieur (613) 990-7051
E-Mail / Courriel Randy.Jenkins@dfo-mpo.gc.ca*

Southern Resident Killer Whale Update

(August 23, 2018 – 1 00 EDT)

Issues: The deteriorating health condition of Southern Resident Killer Whale (SRKW) J50 of SRKW J-pod has prompted the U S National Oceanic and Atmospheric Administration (NOAA) to propose an emergency action plan to treat her. The response team located J50 on Thursday, August 9th and began sampling and treatment

Update:

- K-pod and L-pod members were located offshore of the west coast of Vancouver Island yesterday August 22, 2018 and were monitoring from 14:00-18:00 PDT.
- J50 was last seen with her mother J16, who was foraging, off Carmanah Point travelling towards Nitnat in the evening of August 21, 2018.
- J-pod was not observed yesterday August 22, 2018, but is believe to be in offshore waters.
- Visibility for killer whale observations is poor due to the smoke from BC interior fires.

- DFO approved NOAA's application to include the following treatments for J50 within their Authorization to Disturb Marine Mammals: anti-parasitic treatment via a pole syringe or remote dart delivery, and the use of collared needles on darts to help the dart adhere to the whale
 - DFO Science, as well as Dr. Steven Raverty (provincial marine mammal veterinarian) reviewed the application and concluded the application was justified, as well as including methods that are well tested and including personnel that are experienced
 - DFO is drafting an amended Authorization to Disturb Marine Mammals to include these treatment options.
 - Currently, NOAA is authorized to conduct sampling of J50, including breath, fecal, mucus and skin, visual veterinary health assessment; and provide antibiotic treatment via pole syringe or remote delivery under the Authorization to Disturb Marine mammals pursuant to section 38 of the *Marine Mammal Regulations*, in addition to provisions under section 52 of the *Fisheries (General) Regulations* and section 74 of *Species at Risk Act* that was issued on August 9th.

- J35 was seen on Saturday August 11th travelling without her dead calf.

- The Northern Resident Killer Whale and Southern Resident Killer Whale amended Recovery Strategy consultations are currently underway.
 - The proposed amended Recovery Strategy (aRS) includes two additional areas as CH, as identified in a recent science advice report (CSAS SAR 2017/011). These include: 1) waters on the continental shelf off southwestern Vancouver Island, including Swiftsure and La Pérouse Banks (important for both NRKW and SRKW); and 2) waters of west Dixon Entrance, along the north coast of Graham Island from Langara to Rose Spit (important for NRKW).

Dickie, Catherine

From: Lowe, Carmel
Sent: August-23-18 7:29 AM
To: Thornton, Sheila; Doniol-Valcroze, Thomas, MacConnachie, Sean
Subject: Fw. SARA license application

All

Recognizing the challenges - it is important to ensure that Lesley and I are included on these exchanges - especially when they involve requests for or provision of Science advice to client sectors? Thanks
Carmel

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>
Sent: Wednesday, August 22, 2018 22:10
To: Lowe, Carmel
Subject: Fw: SARA license application

Interesting - but I don't see you on the distribution list.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Doniol-Valcroze, Thomas <Thomas.Doniol-Valcroze@dfo-mpo.gc.ca>
Sent: Wednesday, August 22, 2018 3:55 PM
To: Cottrell, Paul; Davis, Neil; Thomson, Andrew; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Cauffope, Genevieve; Webb, Cheryl
Cc: Moore, Kendra; Jenkins, Randy
Subject: RE: SARA license application

Hi,

I have reviewed the application and discussed it with Sheila today. The application is detailed and well justified, the methods are well tested and the personnel is experienced. Therefore, we both agree that the proposed activities in this amended version are acceptable.

Best,
Thomas

Thomas Doniol-Valcroze, PhD
Head, Cetacean Research Program
Pacific Biological Station
Fisheries and Oceans Canada
Nanaimo, BC V9T 6N7
Tel: 250-729-8375
thomas.doniol-valcroze@dfo-mpo.gc.ca

De : Cottrell, Paul

Envoyé : 22 août 2018 11:10

À : Davis, Neil; Thomson, Andrew; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annelly; Cauffope, Genevieve; Webb, Cheryl; Doniol-Valcroze, Thomas

Cc : Moore, Kendra; Jenkins, Randy

Objet : Fw: SARA license application

Hi All,

Application from NOAA to administer anti parasitic compound and utilize a different dart to administer medication to J50 is attached. If MM science can please review and provide any feedback it would be very much appreciated. We are also going to have Dr Raverty (Provincial expert MM veterinarian) review the application and provide comments. Annelly and I will draft up the amended letter of authorization once feedback received for Andy's signature.

Best,

Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Teri Rowles - NOAA Federal [REDACTED]

Sent: Wednesday, August 22, 2018 10:59 AM

To: Lynne Barre - NOAA Federal

Cc: Cottrell, Paul; Thornton, Sheila; Greene, Annelly; Deborah Fauquier - NOAA Affiliate; Brad Hanson; Sarah Wilkin; Candice Emmons; Kristin Wilkinson

Subject: Re: SARA license application

Paul, Enclosed is the amendment to the SARA license for response to J50. As Kristin discussed with you we have added an anthelmintic (anti-parasitic) to the treatment regime based on the fecal sample results identifying *contracaecum* parasites and have added the potential use of a collared needle for the dart. Please let us know if there are any questions.

THANK YOU

On Thu, Aug 9, 2018 at 3:40 PM, Lynne Barre - NOAA Federal [REDACTED] wrote:

Hi Paul,

Attached is the completed SARA license application form along with the application document submitted yesterday. I've also attached documentation of Animal Care Committee compliance for the activities approved under the US NMFS Permit No. 18786-03.

I believe that Brad Hanson has already applied for foreign vessel clearance, but am awaiting confirmation. I can send along a photo of the vessel as soon as I get one from the team.

Please let us know if you need anything else and please provide confirmation that work can proceed in Canadian waters or a copy of the license or as soon as it is available.

Thanks,

Lynne

Barton, Meagan

From: Thornton, Sheila
Sent: August-27-18 11:00 AM
To: Cottrell, Paul; Davis, Neil; Thomson, Andrew; Girouard, Louise; Kennedy, Eddy; Lowe, Carmel; Sloan, Lara; Harber, Lee; Webb, Cheryl
Cc: Moore, Kendra; Scott, Paul G; Jenkins, Randy; Greene, Annely
Subject: RE Update SRKW

Regards,

Sheila

Sheila J Thornton, Ph D
 Research Scientist, Ecosystem Sciences Division (ESD), Science Branch
 Fisheries and Oceans Canada / Government of Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel 604-364-5917

Scientifique de recherches, Division des sciences de l'écosystème, Sciences
 Pêches et Océans Canada / Gouvernement du Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel 604-364-5917

From: Cottrell, Paul
Sent: August-27-18 10:56 AM
To: Davis, Neil; Thomson, Andrew; Girouard, Louise; Kennedy, Eddy; Lowe, Carmel; Sloan, Lara; Thornton, Sheila; Harber, Lee; Webb, Cheryl
Cc: Moore, Kendra; Scott, Paul G; Jenkins, Randy; Greene, Annely
Subject: RE: Update SRKW

Hi All,

J-pod has not been sighted since Friday afternoon heading west from Sheringham Point into offshore waters. K and L pod were observed off Carmanah (West Coast of Vancouver Island) Saturday [REDACTED]

[REDACTED] Prey samples collected by Brian Gisborne DFO

Pacific RM issued an amended letter of authorization Friday for NOAA's work authorizing the darting of J-50 to administer anti-parasitic medication in Canadian waters. No darting of J-50 was attempted this weekend as J-50 and J-pod have not been re-sighted since Friday and are presumed to be in off-shore waters.

Cheers,

Paul

From: Cottrell, Paul
Sent: August-24-18 12:56 PM
To: Davis, Neil; Thomson, Andrew; Girouard, Louise; Kennedy, Eddy; Lowe, Carmel; Sloan, Lara; Thornton, Sheila; Harber, Lee; Webb, Cheryl
Cc: Moore, Kendra; Scott, Paul G; Jenkins, Randy; Greene, Annely
Subject: RE: Update SRKW

Hi All,

J-pod was not sighted yesterday in in-shore waters or by our DFO vessel in off-shore waters (ie off the West Coast of Vancouver Island). No sightings yet of J-pod today.

Cheers,
Paul

From: Cottrell, Paul
Sent: August-23-18 8:28 AM
To: Davis, Neil; Thomson, Andrew; Girouard, Louise; Kennedy, Eddy; Lowe, Carmel; Sloan, Lara; Thornton, Sheila; Harber, Lee; Webb, Cheryl
Cc: Moore, Kendra; Scott, Paul G; Jenkins, Randy; Greene, Annely
Subject: Update SRKW

Hi All,
 K and L pod members were located off-shore on the West Coast of Vancouver Island yesterday in the smoke and fog and followed from 14:00-18 00 Visibility was 150 m J-pod was not located yesterday but believed to still be in off-shore waters No sightings of SRKW in in-shore waters yesterday
 Cheers,
 Paul

From: Cottrell, Paul
Sent: August-22-18 8:48 AM
To: Jenkins, Randy; Davis, Neil; Harber, Lee
Cc: Moore, Kendra; Scott, Paul G
Subject: Re: SRKW J-50

Thanks Randy,
 As an update, just received information from DFO contractor working off the West Coast of Vancouver Island (ie through DFO science) that J50 was seen with mom last night at 6:45 PM off Carmanah Point traveling toward Nitinat. It was a super pod so, J, K and L pods were all present J16 mom was observed foraging and close with J50 When are we hiring for the hubs and getting new staff in place as it is much needed asap I hope this is a priority action The summer is going fast .
 As I mentioned, updates from all the potential sources of information (eg whale watch industry, NOAA, DFO CP, DFO RM, DFO science, NGO's, Straitwatch, researchers, commercial vessels, cetacean sightings network, etc) are not always real time and sometimes the information is received next day [REDACTED]
 [REDACTED] It is a big ocean out here and with the fog/smoke it has made locating whales when offshore very difficult. The trans-boundary nature of the movements further complicates things Often only a small portion of a SRKW pod are seen (ie not all members of a pod are observed) This includes J50 and J35 Hope this is useful context
 Cheers,
 Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Jenkins, Randy
Sent: Wednesday, August 22, 2018 6:44 AM
To: Cottrell, Paul; Davis, Neil; Harber, Lee
Cc: Moore, Kendra; Scott, Paul G
Subject: RE: SRKW J-50

Yes it would be useful for us if the daily info we receive included any and all updates/information/plans from RM, C&P, science, NOAA and anyone else connected to SRKW so that a complete summary can be presented on what the latest information consolidation and compilation of relevant whale information is something we would envision as a role for the "HUBS" in the future (on both coasts) for the short term would it be helpful if Kendra developed a short checklist/template where we could capture updates from the various players?

Thanks
 Randy

From: Cottrell, Paul

Sent: Tuesday, August 21, 2018 6:35 PM

To: Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>

Subject: Re: SRKW J-50

Very good point, probably best to have one point source from region to you guys to prevent confusion.

Cheers,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Jenkins, Randy

Sent: Tuesday, August 21, 2018 3:26 PM

To: Cottrell, Paul; Davis, Neil

Subject: Re: SRKW J-50

Thanks again,,, I have advised up with your context and that it may be premature to read into lack of J50 sighting.

Very important that we try and have consistent messaging coming into the center. Be useful if Science would advise or collaborate on messaging they are sending to HQ esp if potentially forecasting or suggesting the demise of an animal of interest.

Thanks for your rapid responses.

Randy

Sent from my BlackBerry 10 smartphone on the Rogers network

From: Cottrell, Paul

Sent: Tuesday, August 21, 2018 18:14

To: Davis, Neil

Cc: Jenkins, Randy

Subject: Re: SRKW J-50

The animals are in an isolated area on the West Coast of Vancouver Island near Swiftsure Bank. Hopefully this gives you some context.

Sent from my BlackBerry 10 smartphone on the Rogers network

From: Cottrell, Paul

Sent: Tuesday, August 21, 2018 3:11 PM

To: Davis, Neil

Cc: Jenkins, Randy

Subject: Re: SRKW J-50

Hi Neil,

The conditions are very poor for viewing on the water. Just clarified things with Sheila and NOAA. J-pod was seen on Saturday heading west. J-50 was seen at that time by NOAA. Brian Gisborne was on water on Sunday in poor conditions and saw K and L pod and some J's and did not see J50. Due to the conditions it was almost certainly an incomplete count. J50 is known for straying away from the group so not unusual. No sightings yesterday and today as the viewing conditions are very poor. That is the latest I have. There is only a couple 100 meters of visibility due to the smoke/fog. Hope this is useful.

Cheers,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Davis, Neil
Sent: Tuesday, August 21, 2018 2:46 PM
To: Cottrell, Paul
Subject: Fw: SRKW J-50

Can you assist?

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>
Sent: Tuesday, August 21, 2018 2:16 PM
To: Davis, Neil; Harber, Lee
Cc: Scott, Paul G; Moore, Kendra
Subject: SRKW J-50

Can someone please confirm the information below (*J50 not sighted past couple days but her mother and others sighted multiple times*)... the last update I had was that J pod was sighted on August 19th. Is it the case that J50 is no longer with the Pod??

I had only earlier this afternoon advised that there wasn't anything new to report today on SRKW and then Science sends this message below to the acting ADM FHM who is now asking for details and whether he should send the DM a heads up on this. Any info would be appreciated.

Thanks.

Randy

From: Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>
Sent: Tuesday, August 21, 2018 3:52 PM
To: Landry, Jean; Nadeau, Simon
Cc: Moore, Wayne; Kennedy, Eddy
Subject: Getting ready.....

Two items wrt SRKW J-50:

Please be advised that J50 – the emaciated SRKW – has not been seen for a couple of days now. While way too soon to speculate on possible significance this is noteworthy given that her mother and other pod members have been observed multiple times during this period. There is significant presence on the water and we will advise if there is a update.

Also, FM has submitted an anticipatory request for science advice based on the recent lab analysis results that indicated feces collected from some (unknown) members of the J-Pod contained a parasite and that, as a consequence, NOAA may submit a request for a license amendment to administer parasite treatment in Canadian waters to J50 (if the whale is observed).

Science has begun preliminary work to address both of these issues.

Carmel

Carmel Lowe, Ph.D.
Regional Director Science | Directrice régionale des sciences
Fisheries and Oceans Canada | Pêches et Océans Canada
Pacific Biological Station | Station biologique du Pacifique
3190 Hammond Bay Rd, Nanaimo, BC, Canada V9T 6N7

Carmel Lowe@dfo-mpo.gc.ca

Telephone | Téléphone 250-756-7177

Facsimile | Télécopieur 250-729-8360

Government of Canada | Gouvernement du Canada

Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Sunday, September 2, 2018 10 19 PM
To: Sloan, Lara, Malikian, Janine, Girouard, Louise
Cc: Ruth Howell - NOAA Federal, Jim Milbury, Forbes Darby - NOAA Federal
Subject: Update on J50

Hello Lara, Janine, and Louise,

I am just working on a statement that we may try to issue tomorrow (Monday) reporting that J50 was not seen with J Pod after a long day on the water searching today. We will mention DFO as a key partner in the effort to search for her. I just wanted to let you know, and I am sure that we will be in further touch soon.

We understand that the last sighting of J50 may have been by DFO on Thursday, August 30. Is that your understanding? Are there any photos of that sighting?

Best,

Michael

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell [REDACTED]
[REDACTED]



NOAA FISHERIES

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Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Monday, September 3, 2018 5:39 PM
To: Girouard, Louise, Sloan, Lara, Malikian, Janine
Cc: Ruth Howell - NOAA Federal, Forbes Darby - NOAA Federal, Jim Milbury
Subject: Update on J50

Hello Louise, Lara, and Janine,

We understand from the field that Marty Haulena has delivered at least one dart with antibiotics to J50, but waiting to hear more details.

We are thinking that since there was another attempt at treatment today, that we should proceed with a press call Tuesday morning. However, I think we will hold off on our leadership at this point since we remain focused on the treatment stage. So we are thinking that Marty, Brad Hanson may be good candidates for the call, along with a DFO representative if you would like, Paul or Shelia perhaps. However I think we should keep this on the shorter side in terms of time

I will plan to send you another update after our team call tonight at 9 pm, or when I find out more

Thank you for your help and support today Things were happening too fast!

Best,
Michael

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]
[REDACTED]



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Girouard, Louise

From: Girouard, Louise
Sent: Monday, September 3, 2018 12 10 PM
To: Michael Milstein - NOAA Federal, Sloan, Lara
Cc: Cottrell, Paul
Subject: Re J-50 has been missing since Thursday Evening evening

Thanks for the update.

L

From: Michael Milstein - NOAA Federal
Sent: Monday, September 3, 2018 11:53 AM
To: Sloan, Lara
Cc: Cottrell, Paul; Girouard, Louise
Subject: Re: J-50 has been missing since Thursday Evening evening

Alix of our team is posting update to J50 page now.

Update (9/3; 11:45 a.m.): Good news! Multiple organizations are reporting that J50 has been spotted with J Pod in U.S. waters of the Salish Sea this morning. We will continue efforts to assess the health of J50 and treat her according to the priorities outlined by the team of veterinarians and scientists.

On Mon, Sep 3, 2018 at 11:37 AM, Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca> wrote:
Thanks! I'm assuming Centre for Whale Research will post photos.

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Monday, September 03, 2018 11:36 AM
To: Sloan, Lara
Cc: Cottrell, Paul
Subject: Re: J-50 has been missing since Thursday Evening evening

We understand she was sighted by multiple parties. Center for Whale Research, Soundwatch, and Pacific Whale Watch Association vessels

On Mon, Sep 3, 2018 at 11:34 AM, Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca> wrote:
Can either of you send details of the sighting? who reported it? How many sightings?
Thank you,
Lara

From: Cottrell, Paul
Sent: Monday, September 03, 2018 10:57 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G; Lowe, Carmel
Subject: RE: J-50 has been missing since Thursday Evening evening

Hi All,

Sorry for all the emails but want to keep you up to date. J-50 has been spotted alive and with her mom J16 at Hein Bank in US waters (between Victoria and Oak Harbour). A veterinarian health assessment of J-50 today is planned if logistics permit.

Cheers,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Monday, September 03, 2018 10:23 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: RE: J-50 has been missing since Thursday Evening evening

Hi All,

I just wanted to update you that the Friday evening sighting in the San Juan Islands has not been confirmed with pictures and to be safe we are considering the last sighting of J-50 to be Thursday evening. Worked through this with the NOAA folks. The last confirmed sighting of J-50 was off Carmanah Light House on the West Coast of Vancouver Island by Brian Gisborne (DFO) Thursday evening. It is believed J-pod slipped into in-shore waters on Friday.

Cheers,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

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Sent: Monday, September 03, 2018 9:19 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: J-50 has been missing since Friday evening

Hi All,

As an update, J-pod, including J16 (her mother) and J26 (her brother) were observed in the Gulf Islands yesterday without J-50. J-50 is considered missing with the last confirmed sighting of J-50 on Friday evening off the San Juan Islands in the US. The next morning (Saturday) J-pod was seen traveling north in Swansen Channel around North Pender Island, through Active Pass to Sandheads off the Fraser River (ie in Canadian waters). It is likely J-50 became separated or died during this period of time. We have multiple vessels out today looking (including DFO and Straitwatch). I have also reached out to our Transport Canada and DFO aerial plane surveillance programs to assist if they happen to be transiting the area. I am coordinating efforts with NOAA who have vessels and aerial support today to assist with locating J-50. If J-50 died, we are very interested in collecting her carcass to determine cause of death and what was ailing her. We have a contingency plan if J-50 died and her carcass is located to get to Dr Raverty for necropsy asap. NOAA may be doing a press release today. I have requested they contact Louise and Lara to ensure consistent messaging with DFO. I will keep you posted of any updates.

Thanks so much,

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Saturday, September 01, 2018 4:50 PM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: RE: J-pod in inshore Canadian waters

Hi All,

J-50 was not located with J-pod today. J16 her mom was observed. J-pod is currently in Canadian waters off the Fraser River. Weather and viewing conditions were very good today. The response team has returned to port. I will update you as more information becomes available.

Cheers,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Saturday, September 01, 2018 1:06 PM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: J-pod in inshore Canadian waters

Hi All,

As an update, J-pod was located in the Gulf Islands off North Pender this morning and heard on the DFO killer whale tracking network hydrophones. J-pod has traveled through Active Pass and is heading North towards Sandheads Light station at the mouth of the Fraser River. J50 and J16 sightings among the group have not yet been confirmed. DFO funded habitat stewardship program Strait Watch just arrived on scene. DFO MM rescue is on stand-by and a C&P vessel will be on scene in a couple hours. The NOAA J-50 response team has been notified and is en-route. The weather is conducive for darting and will keep you updated on antibiotic or anti-parasitic medication darting attempts and outcomes.

Cheers,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Wednesday, August 29, 2018 9:05 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annelly; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: Fw: Response Capacity Restored

Hi All,

NOAA has restored their operational team and are on standby if J50 returns to in-shore waters. See NOAA'S update below. K's and L's were seen yesterday afternoon by DFO off the West Coast Of Vancouver Island. J's were not observed. Weather and viewing conditions were poor.

Cheers,

Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Kristin Wilkinson - NOAA Federal [REDACTED]

Sent: Tuesday, August 28, 2018 7:24 PM

To: brad.hanson; Jeff Foster; Katy Foster; Joe Gaydos; Marty Haulena; Hendrik Nollens; Jennifer Olson; Taylor Shedd; Jim McBain; Candice Emmons; Jenny Atkinson; Deborah Giles, PhD; Russ Mullins

Cc: Ruth Howell; Lynne Barre; Teri Rowles; Sarah Wilkin - NOAA Federal; John Durban - NOAA Federal; Cottrell, Paul; Thornton, Sheila; Chris Yates - NOAA Federal; Mike Ford - NOAA Federal

Subject: Response Capacity Restored

Good Evening Everyone -

Dr. Joe Gaydos has offered his expertise and skills as a vessel operator so we can continue on water response if J50 were to come back to the area. I'd like to request that if anyone has sighting information in real-time (Soundwatch, DFO, UW, PWWA, etc.) to please share those sightings with Dr. Gaydos ([REDACTED] cell) so a team can be assembled quickly. We continue to have veterinary coverage for medical treatment and Joe will coordinate with the available vets and I will continue to provide a veterinary schedule for his use. Brad and Candi will be back on the island starting September 5th, their on water efforts will be focused on their d-tagging work and Jeff and Katy will be back on island around September 6th

We will continue to try to accomplish the below goals and will continue to have 9pm debrief calls when the team is on the water with J50. If there are no sightings or updates I will try to cancel the call by 6-7pm.

Our goals continue to be;

1. Administer a full dose of Covenia (antibiotic) in U S or Canadian waters
2. Administer one dose of Ivermectin (dewormer) in U.S. or Canadian waters
3. Compare photogrammetry images from August 1st to next available images collected by SWFSC - U.S. waters
4. Opportunistically collect samples from J50 (primarily UW during this current operating period)

Thank you to SeaDoc for making on water response a possibility and to all of you for your continued dedication to make this effort as successful as possible.

Please do not ever hesitate to reach out if I can be of assistance, I can always be reached on my cell phone at 206-550-6208

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



NOAA FISHERIES
West Coast Region

On Mon, Aug 27, 2018 at 1:23 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote
Hello All,

We will have a temporary pause in our on water emergency response capacity for J50 between Thursday, August 30th and Wednesday, September 5th Brad is off island preparing for their upcoming September field season, Candi is out of town, and Jeff and Katy need to leave the island [REDACTED]. With Brad, Candi, and Jeff being the most experienced vessel operators in close distance to SRKW we will temporarily pause our on water efforts to administer medical treatment. If SeaDoc would like to monitor her overall condition and document from a distance that is a possibility and our partners (UW, Soundwatch, DFO, etc.) will continue to provide information as available.

Our goals continue to be;

- 1 Administer a full dose of Covenia (antibiotic) in U S or Canadian waters
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3. Compare photogrammetry images from August 1st to next available images collected by SWFSC - U.S waters
- 4 Opportunistically collect samples from J50

Please let me know if you have any questions or concerns about this temporary pause in operations or if you have additional resources (such as experienced vessel operators) please feel free to bring them to my attention.

A huge thank you to the entire team for all of their efforts, time, and energy put towards this case to date.

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



NOAA FISHERIES
West Coast Region

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]



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--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]



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Blank Page - No information removed

Girouard, Louise

From: Girouard, Louise
Sent: Monday, September 3, 2018 11 05 AM
To: Michael Milstein - NOAA Federal
Cc: Cottrell, Paul, Sloan, Lara, Anderson, Laura
Subject: Re J-50 has been missing since Thursday Evening evening

Great news. Thanks!

L

From: Michael Milstein - NOAA Federal
Sent: Monday, September 3, 2018 11:03 AM
To: Girouard, Louise
Cc: Cottrell, Paul; Sloan, Lara; Anderson, Laura
Subject: Re: Fw: J-50 has been missing since Thursday Evening evening

Yes, just spoke with Lara We will post a very short update to the top of our Facebook post, and will send out to our media list

Does that sound right to you?

This whale keeps surprising us!

On Mon, Sep 3, 2018 at 11.01 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote.
Michael.

Latest,

Will you be issuing an update?

L

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Monday, September 3, 2018 10:57 AM
To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G; Lowe, Carmel
Subject: RE: J-50 has been missing since Thursday Evening evening

Hi All,
Sorry for all the emails but want to keep you up to date. J-50 has been spotted alive and with her mom J16 at Hein Bank in US waters (between Victoria and Oak Harbour). A veterinarian health assessment of J-50 today is planned if logistics permit.
Cheers,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Monday, September 03, 2018 10:23 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: RE: J-50 has been missing since Thursday Evening evening

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Cheers,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Monday, September 03, 2018 9:19 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard,

Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: J-50 has been missing since Friday evening

Hi All,

As an update, J-pod, including J16 (her mother) and J26 (her brother) were observed in the Gulf Islands yesterday without J-50. J-50 is considered missing with the last confirmed sighting of J-50 on Friday evening off the San Juan Islands in the US. The next morning (Saturday) J-pod was seen traveling north in Swansen Channel around North Pender Island, through Active Pass to Sandheads off the Fraser River (ie in Canadian waters). It is likely J-50 became separated or died during this period of time. We have multiple vessels out today looking (including DFO and Straitwatch). I have also reached out to our Transport Canada and DFO aerial plane surveillance programs to assist if they happen to be transiting the area. I am coordinating efforts with NOAA who have vessels and aerial support today to assist with locating J-50. If J-50 died, we are very interested in collecting her carcass to determine cause of death and what was ailing her. We have a contingency plan if J-50 died and her carcass is located to get to Dr Raverty for necropsy asap. NOAA may be doing a press release today. I have requested they contact Louise and Lara to ensure consistent messaging with DFO. I will keep you posted of any updates.

Thanks so much,

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

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Sent: Saturday, September 01, 2018 4:50 PM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: RE: J-pod in inshore Canadian waters

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Cheers,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

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Vancouver, BC

V6C 3S4

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Cheers,

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Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

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Vancouver, BC

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Scott, Paul G

Subject: Fw: Response Capacity Restored

Hi All,

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Cc: Ruth Howell; Lynne Barre; Teri Rowles; Sarah Wilkin - NOAA Federal; John Durban - NOAA Federal; Cottrell, Paul; Thornton, Sheila; Chris Yates - NOAA Federal; Mike Ford - NOAA Federal

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4. Opportunistically collect samples from J50 (primarily UW during this current operating period)

Thank you to SeaDoc for making on water response a possibility and to all of you for your continued dedication to make this effort as successful as possible.

Please do not ever hesitate to reach out if I can be of assistance, I can always be reached on my cell phone at 206-550-6208.

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



NOAA FISHERIES West Coast Region

On Mon, Aug 27, 2018 at 1:23 PM, Kristin Wilkinson - NOAA Federal [REDACTED] wrote:
Hello All,

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3. Compare photogrammetry images from August 1st to next available images collected by SWFSC - U.S. waters
4. Opportunistically collect samples from J50

Please let me know if you have any questions or concerns about this temporary pause in operations or if you have additional resources (such as experienced vessel operators) please feel free to bring them to my attention.

A huge thank you to the entire team for all of their efforts, time, and energy put towards this case to date.

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator. Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



NOAA FISHERIES West Coast Region

--
Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell [REDACTED]
[REDACTED]



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Girouard, Louise

From: Girouard, Louise
Sent: Monday, September 3, 2018 10:04 AM
To: Michael Milstein - NOAA Federal, Ruth Howell - NOAA Federal, Jim Milbury, Forbes Darby - NOAA Federal
Cc: Sloan, Lara, Cottrell, Paul
Subject: Re: NOAA Fisheries statement on J50

Indeed,

I agree, they will be very interested in some kind of media avail tomorrow.

We will work to identify a spokes.

I am on a flight from 4 to 5 pm. But reachable otherwise.

Thank you,

L

From: Michael Milstein - NOAA Federal
Sent: Monday, September 3, 2018 9:59 AM
To: Girouard, Louise; Ruth Howell - NOAA Federal; Jim Milbury; Forbes Darby - NOAA Federal
Cc: Sloan, Lara; Cottrell, Paul
Subject: Re: NOAA Fisheries statement on J50

Thank you, Louise. We are thinking that based on what happens today, we may need a press call tomorrow. That may be time to transition to the broader picture of recovery, so we may have one of our regional leadership participate to support that message.

Please consider participating tomorrow. Perhaps we can have a call with you near the end of the day today to discuss where we are?

On Mon, Sep 3, 2018 at 9:53 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:
Perfect. Thanks.

As mentioned on our call. Please let us know of any interviews with Canadian media and if we can assist.

Otherwise we will let you lead for the moment

L

From: Michael Milstein - NOAA Federal
Sent: Monday, September 3, 2018 9:50 AM
To: Girouard, Louise; Sloan, Lara; Cottrell, Paul
Subject: NOAA Fisheries statement on J50

I have to let you know that our team just posted this to Facebook.

We are disappointed to report that J50, the young female Southern Resident killer whale also known as Scarlet, did not return from open waters off the West Coast of Vancouver Island to the Salish Sea with J Pod over the weekend. Biologists from The Center for Whale Research, Vancouver Aquarium, Soundwatch, and the University of Washington spent much of the day Sunday (9/2) with other members of J Pod, including J16, her mother J50 was not seen with them.

We all hold out hope that J50 is still alive, and we are in touch with the Pacific Whale Watch Association, Fisheries and Oceans Canada, and other organizations with eyes on the water to check for any other recent sightings, which may help us determine where to look more closely

We all know J50 as tough and tenacious. One of the last sightings by DFO on Thursday (8/30) reported that J16 and J26, her brother, were lagging behind most of J Pod by about three nautical miles, and J50 was lagging about a half-mile behind them. Sometimes she got closer, but she looked to be struggling to keep up.

The standard for determining the loss of any of the Southern Residents is to spot a whale's family group multiple times without them. This rule may be relevant for J50 to confirm her status given how far behind the other whales she had followed at times.

We do know that J50 had lost a great deal of weight in recent months. Biologists recognized her condition as grave. An international team of biologists, veterinarians, tribes, and other partners had mobilized an unprecedented effort to try to support J50 through health assessments and treatment.

We and our many partners are hopeful that the additional efforts to follow up on sightings and take advantage of all the organizations on the water today will give us more information about J50 and J Pod. We will update everyone tomorrow. Find more information at bit.ly/NOAAJ50J35.

--
Michael Milstein
 Public Affairs Officer
 NOAA Fisheries
West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center
 Office 503-231-6268
 Cell [REDACTED]



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--
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 Public Affairs Officer
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 Cell: [REDACTED]



NOAA FISHERIES

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You Tube

Girouard, Louise

From: Kristin Wilkinson - NOAA Federal <[REDACTED]>
Sent: Monday, September 3, 2018 9:44 AM
To: Cottrell, Paul
Cc: Lynne Barre, Sloan, Lara, Girouard, Louise, Davis, Neil, Thomson, Andrew, Thornton, Sheila, Michael Milstein - NOAA Federal, Jim Milbury - NOAA Federal, Ruth Howell
Subject: Re J50

Paul,

Yes, the statement that was just released is below. I have included our Communications Team here - Ruth, Michael and Jim.

Kristin

We are disappointed to report that J50, the young female Southern Resident killer whale also known as Scarlet, did not return from open waters off the West Coast of Vancouver Island to the Salish Sea with J Pod over the weekend. Biologists from The Center for Whale Research, Soundwatch, and the University of Washington spent much of the day Sunday (9/2) with other members of J Pod, including J16, her mother. J50 was not seen with them.

We all hold out hope that J50 is still alive, and we are in touch with the Pacific Whale Watch Association, Fisheries and Oceans Canada, and other organizations with eyes on the water to check for any other recent sightings, which may help us determine where to look more closely.

We all know J50 as tough and tenacious. One of the last sightings by DFO on Thursday (8/30) reported that J16 and J26, her brother, were lagging behind most of J Pod by about three nautical miles, and J50 was lagging about a half-mile behind them. Sometimes she got closer, but she looked to be struggling to keep up.

The standard for determining the loss of any of the Southern Residents is to spot a whale's family group multiple times without them. This rule may be relevant for J50 to confirm her status given how far behind the other whales she had followed at times.

We do know that J50 had lost a great deal of weight in recent months. Biologists recognized her condition as grave. An international team of biologists, veterinarians, tribes, and other partners had mobilized an unprecedented effort to try to support J50 through health assessments and treatment.

We and our many partners are hopeful that the additional efforts to follow up on sightings and take advantage of all the organizations on the water today will give us more information about J50 and J Pod. We will update everyone tomorrow. Find more information at bit.ly/NOAAJ50J35.

On Mon, Sep 3, 2018 at 9:24 AM, Cottrell, Paul <Paul.Cottrell@dfp-mpo.gc.ca> wrote

Hi Kristin,
 I understand NOAA may be doing a press release today. Can you please ensure your communications folks contact our DFO communications folks (ie Lara, Louise) to ensure consistent messaging and make sure our combined collaborative efforts are properly captured.

Thanks so much,

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul
Sent: Monday, September 03, 2018 8:35 AM
To: Kristin Wilkinson - NOAA Federal; Thornton, Sheila
Cc: Lynne Barre
Subject: RE: J50

Hi Kristin,

I have notified our aerial surveillance planes including DFO, Canadian Coast Guard, Transport Canada, and Department of National Defense to keep an eye out for J-50 and notify DFO if observed. We have contingency plans if J-50 is found dead to get the carcass to Dr Raverty asap. Please give me a call as I would like to better coordinate actions. We had several DFO vessels on water yesterday and will again today, along with Straitwatch.

Thanks,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Kristin Wilkinson - NOAA Federal
Sent: Sunday, September 02, 2018 10:15 PM
To: Cottrell, Paul; Thornton, Sheila
Cc: Lynne Barre
Subject: J50

Paul and Sheila,

The response team received reports this morning around 10.30 am of J pod at Turn Point at the tip of Stuart Island in the San Juans. The team included Soundwatch, University of Washington and Dr Marty Haulena with the Vancouver Aquarium. They linked up mid-afternoon with Center for Whale Research who reported that J16 (mom), J36 (sister), and J26 (brother) were sighted without J50 today. The team searched the area for several hours and did not see J50 during that time. Soundwatch left the scene around 5 10pm where the whales were off Hein Bank and were headed WSW. Center for Whale Research continued the search as they headed back to shore, they ended their day near False Bay with J16 and J26, but still no J50.

Is Thursday, August 30th the last time the DFO encountered J50? I heard reports of J pod heading inland on Friday morning the 31st near Sooke and then around Race Rocks and that Victoria whale watch boats were on scene Did DFO see J50 that morning? We have followed up with the PWWA to see if we can get any confirmed sightings after the 30th.

Given this information are there any plans for enhanced beach survey efforts, aerial flyovers, or an alert to the local Network on Vancouver Island to keep an eye out for a lone whale or carcass onshore?

Please don't hesitate to reach out if I can be of any help or if you have any questions.

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



NOAA FISHERIES
West Coast Region

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



NOAA FISHERIES
West Coast Region

Barton, Meagan

From: Girouard, Louise
Sent: September-03-18 9 38 AM
To: Cottrell, Paul, Kristin Wilkinson - NOAA Federal
Cc: Lynne Barre, Sloan, Lara, Davis, Neil, Thomson, Andrew, Thornton, Sheila, Bate, Dan
Subject: Re J50

Categories: CC'ed messages

Thanks for the update . Hopefully J50 will show.
Please do keep us informed.

L

From: Cottrell, Paul
Sent: Monday, September 3, 2018 9:24 AM
To: Kristin Wilkinson - NOAA Federal
Cc: Lynne Barre; Sloan, Lara; Girouard, Louise; Davis, Neil; Thomson, Andrew; Thornton, Sheila
Subject: RE: J50

Hi Kristin,
I understand NOAA may be doing a press release today. Can you please ensure your communications folks contact our DFO communications folks (ie lara, louise) to ensure consistent messaging and make sure our combined collaborative efforts are properly captured.
Thanks so much,

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul
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Cc: Lynne Barre
Subject: RE: J50

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if J-50 is found dead to get the carcass to Dr Raverty asap. Please give me a call as I would like to better coordinate actions. We had several DFO vessels on water yesterday and will again today, along with Straitwatch. s.19(1)

Thanks,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

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(604) 666-9965

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Please don't hesitate to reach out if I can be of any help or if you have any questions.

--

Kristin Wilkinson
NOAA Fisheries, Protected Resources Division
West Coast Region, Based in Seattle
Regional Stranding Coordinator, Washington & Oregon
206-526-4747 Office
[REDACTED] Cell



NOAA FISHERIES
West Coast Region

Girouard, Louise

From: Forbes Darby - NOAA Federal - [REDACTED]
Sent: Tuesday, September 4, 2018 6 19 PM
To: Kurt Russo, [REDACTED]
 [REDACTED] Deborah Giles, PhD, [REDACTED]
 [REDACTED] Katy Foster,
 [REDACTED] Jim McBain, RHQ - Media PAC,
Cc: Girouard, Louise, Malikian, Janine, Anthony Hillaire, Michael Mountain, Sloan, Lara
 Amilee Wilson - NOAA Federal, Ruth Howell - NOAA Federal, Sarah Mesnick - NOAA
 Federal, Michael Milstein - NOAA Federal, Jim Milbury - NOAA Federal
Subject: J50/Scarlet Communications Update 9/4

Good afternoon,
 Just want to share with you our Facebook/website update from today (below)

Also, you may be interested in some [response Q&As](#) we posted on our website. These address some of the more common questions and comments we've been getting asked online. Maybe they'll help answer some of the questions you've been getting too.

And in the next couple of days, we anticipate releasing a webstory, video, and fact sheet on some new Southern Resident field work beginning soon (work being done in partnership with DFO). Several of our researchers will be deploying suction cup "DTAGs" to study the nighttime behavior of the whales. We'll be working with the whale watching community to help distribute these materials to help inform folks what's happening on the water. I'll share those with you as soon as we have them ready.

In the meantime, please let me know if I can answer any questions.
 Forbes

#J50 Update (9/4) Once again J50, also known as Scarlet, impressed scientists on Monday (9/3) as remarkably active and engaged with J Pod despite her severely emaciated condition. Never have researchers seen such an emaciated whale defy the odds for so long. J50 stayed close to her mother, J16, and continued the longer dives expected of healthy whales. Researchers from SR3 and NOAA Fisheries Southwest Fisheries Science Center collected new aerial images of J50 and other J Pod whales for comparison to a 10-year time series to assess growth and body condition. Veterinarian Dr. Martin Haulena of the Vancouver Aquarium also provided J50 another dose of antibiotics through a dart, following an initial dose administered on 8/9. The treatment priority has now shifted to administering a dewormer, also through a dart, to reduce any parasitic burden on J50's system. Teams did not get the chance to provide the dewormer on Monday, but will continue to attempt that, depending on the location of the whales and conditions on the water.

The reversal of fortune on Monday, which began with concern that J50 had gone missing but ended with her sighting and successful treatment, brought relief to the team. It also reminds us just how much we rely on teamwork and support on the water. Soundwatch/The Whale Museum, Center for Whale Research, Vancouver Aquarium, SR3, University of Washington, Washington Department of Fish and Wildlife, Fisheries and Oceans Canada, and members of the Pacific Whale Watch Association all contributed to the response. Thank you.

Find the latest information at bit.ly/NOAAJ50J35.

On Mon, Sep 3, 2018 at 12:00 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:

Good afternoon,

A quick and welcome update to my earlier email. The PWWA saw J50 alive with her family this morning. We just posted this to Facebook reflecting the news.

Good news! Multiple organizations are reporting that J50 has been spotted with J Pod in the U.S. waters of the Salish Sea this morning. We will continue our efforts to assess the health of J50 and treat her according to the priorities outlined by our team of veterinarians and scientists.

On Mon, Sep 3, 2018 at 9:48 AM, Forbes Darby - NOAA Federal [REDACTED] wrote.

Good morning,

Just want to let you know we prepared and posted the following statement this morning based on the lack of J50 sightings over the past few days. Jim Milbury and Michael Milstein are on hand to handle any media inquiries.

Forbes

We are disappointed to report that J50, the young female Southern Resident killer whale also known as Scarlet, did not return from open waters off the West Coast of Vancouver Island to the Salish Sea with J Pod over the weekend. Biologists from The Center for Whale Research, Soundwatch, and the University of Washington spent much of the day Sunday (9/2) with other members of J Pod, including J16, her mother. J50 was not seen with them.

We all hold out hope that J50 is still alive, and we are in touch with the Pacific Whale Watch Association, Fisheries and Oceans Canada, and other organizations with eyes on the water to check for any other recent sightings, which may help us determine where to look more closely.

We all know J50 as tough and tenacious. One of the last sightings by DFO on Thursday (8/30) reported that J16 and J26, her brother, were lagging behind most of J Pod by about three nautical miles, and J50 was lagging about a half-mile behind them. Sometimes she got closer, but she looked to be struggling to keep up.

The standard for determining the loss of any of the Southern Residents is to spot a whale's family group multiple times without them. This rule may be relevant for J50 to confirm her status given how far behind the other whales she had followed at times.

We do know that J50 had lost a great deal of weight in recent months. Biologists recognized her condition as grave. An international team of biologists, veterinarians, tribes, and other partners had mobilized an unprecedented effort to try to support J50 through health assessments and treatment.

We and our many partners are hopeful that the additional efforts to follow up on sightings and take advantage of all the organizations on the water today will give us more information about J50 and J Pod. We will update everyone tomorrow. Find more information at bit.ly/NOAAJ50J35.

On Sat, Aug 25, 2018 at 12:21 PM, Forbes Darby - NOAA Federal [REDACTED] wrote:

Good morning,

It's been awhile since we've provided an update. While there's been a lull in activities with the whales, we've been working on a number of communication pieces including some updated Q&As, a tribal perspective for the webpage, and of course, the video montage you saw earlier in the week.

While we work on those other resources, I want to let you know that short video is now up on [Facebook](#). And we are working on a short update detailing some recent sightings of J50 which we hope to post online later today.

We can't say it enough. We're so appreciative of the cooperation of all the partners in both the on-the-water and behind the scenes work. Let us know how we can be of help.

Forbes

On Sun, Aug 19, 2018 at 5:58 PM, Forbes Darby - NOAA Federal [REDACTED] wrote:

Good evening,

Our team put together a short video montage for social media that includes a list of partners at the end. **Would you please give it a look and let us know by 10am on Monday (8/20) if you see anything that causes you heartburn?** Unless we hear back from anyone to the contrary, we'll plan to post this video on our Facebook page on late Monday morning.

Also, we are working on a daily update from yesterday's on-the-water activities. We anticipate posting that later this evening. I'll share that with you when we're ready to post it.

In the meantime, here's a good article on the recent efforts from today's Seattle Times just in case you missed it

Enjoy your Sunday evening
Forbes

Link to the social media video montage

https://drive.google.com/open?id=1_DkUAgMIKxjWJzwAGze9feRT0z2y5RzM

On Tue, Aug 14, 2018 at 4:59 PM, Forbes Darby - NOAA Federal [REDACTED] wrote:

Good afternoon,

Just wanted to share our daily update, which we'll post online shortly (pasted below).

Again, we didn't conduct a media call today, but there continues to be good coverage in a variety of outlets. Here's just a short list of some of the coverage from yesterday which features photos and quotes from many of you

Q13

NOAA not sure if starving orca J50 ate salmon provided during trial feeding

<https://q13fox.com/2018/08/13/starving-orca-j50-didnt-eat-live-salmon-provided-during-emergency-effort/>

Associated Press

Live salmon released for ailing orca, but she doesn't eat it

<https://www.kitsapsun.com/story/news/local/2018/08/13/live-salmon-released-ailing-orca-but-she-doesnt-eat/981008002/>

Yakima Herald/Seattle Times

Scientists attempt to feed live chinook to ailing orca J50, but did she eat?

http://www.yakimaherald.com/news/news_watch/scientists-attempt-to-feed-live-chinook-to-ailing-orca-j/article_1d0853cb-0712-500d-99ba-8c485f859c5e.html

San Juan Islander

NOAA tried to feed J-50 off of the west side of San Juan Island

<http://sanjuanislander.com/news-articles/environment-science-whales/whales-2/27806/noaa-tried-to-feed-j-50-off-of-the-west-side-of-san-juan-island>

King 5 News

Scientists deliver salmon to ailing orca J50

<https://www.king5.com/article/tech/science/environment/scientists-deliver-salmon-to-ailing-orca-j50/281-583645402>

CBC

'Slogging' killer whale J-50 gets live fish delivery in latest attempt to save her

<http://www.cbc.ca/news/canada/british-columbia/j50-live-fish-delivery-chinook-salmon-1.4783362>

Social Media/Website Update

J50/Scarlet Update (8/14): Now that the response team has met all the initial goals for J50 / Scarlet's health assessment and treatment, and J Pod has headed out to open waters, biologists and veterinarians are taking stock of what they have learned so far. They are reviewing video footage and photos and processing samples to gain further insights into J50/Scarlet's health and behavior. @Fisheries and Oceans Canada, @UW, @CenterforWhaleResearch, and other partners continue to monitor the whales and collect fecal and prey samples (e.g , fish scales) when possible. The teams will also review the results of the feeding trial Sunday (8/12) while they determine next steps. We are grateful to all our partners for their help, patience, and support over the past few weeks. The response team thanks all of you who are following this story closely for your support and positive wishes. Recovering these whales and the West Coast salmon runs they depend upon will take all of us. Find out how to help at [bit ly/NOAAJ50J35](https://bit.ly/NOAAJ50J35), where we also share the latest on the response, including photos and video footage.

Forbes Darby

Communication Program Manager
NOAA Fisheries Northwest Fisheries Science Center
2725 Montlake Blvd E
Seattle, WA 98112
Office 206-302-2474
Cell [REDACTED]

Forbes Darby

Communication Program Manager
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Seattle, WA 98112
Office 206-302-2474
Cell [REDACTED]

Forbes Darby

Communication Program Manager
NOAA Fisheries Northwest Fisheries Science Center
2725 Montlake Blvd E
Seattle, WA 98112
Office 206-302-2474

Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Tuesday, September 4, 2018 12 27 PM
To: Sloan, Lara
Cc: Girouard, Louise, Malikian, Janine
Subject: Re J50 Tuesday

Thank you for the update, Lara.

I also wanted to let you know that we just posted a series of Q&As linked to our J50 update page. We're trying to address many of the common questions.

http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/killer_whale/Q_A_j50_emergency_response.html

All the way at the bottom are a couple of questions about the possibility of capture as a last resort

We are not advertising this, but we want to have it available to explain our thinking and avoid misconceptions.

Please let us know if you see anything of concern.

Thanks,
Michael

On Tue, Sep 4, 2018 at 11:30 AM, Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca> wrote:

Apparently it's blowing 20 knots out there, so the veterinary team is standing down today

Cheers,

Lara

Lara Sloan | Communications Advisor | Conseillère en communications | Fisheries and Oceans Canada |
Pêches et Océans Canada | Tel: 250.363.3749 | Cel: [REDACTED] Lara.Sloan@dfo-mpo.gc.ca
www.pac.dfo-mpo.gc.ca

Follow us on Twitter! http://twitter.com/DFO_Pacific

Suivez-nous sur Twitter! http://twitter.com/MPO_Pacifique

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell. [REDACTED]



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Girouard, Louise

From: Malikian, Janine
Sent: Tuesday, September 4, 2018 12 00 PM
To: Michael Milstein - NOAA Federal
Cc: Ruth Howell, [REDACTED] Girouard, Louise, Sloan, Lara
Subject: RE FW Update for Tuesday, Sept 4

Thanks for getting back to me, Michael

We have now issued the tweets:

https://twitter.com/DFO_Pacific/status/1037039903727599618

https://twitter.com/DFO_Pacific/status/1037041141965836288

We'd appreciate it if you could let us know about your FaceBook post when issued.

Janine

From: Michael Milstein - NOAA Federal [mailto:[REDACTED]]
Sent: September-04-18 11:16 AM
To: Malikian, Janine
Cc: Ruth Howell; [REDACTED] Girouard, Louise; Sloan, Lara
Subject: Re: FW: Update for Tuesday, Sept. 4

Thank you for sharing these Janine. Unfortunately I do not have photos from yesterday at this point Hoping to get some, and will let you know if I do.

In the meantime, maybe you could pull something from the [Flickr album](#)?

On Tue, Sep 4, 2018 at 10.41 AM, Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca> wrote.

Hi Michael,

FYI, we're planning to issue the following tweets shortly, and could use some fresh visuals. Do you have any new photos of J50 you could share?

- We're happy that Southern Resident #KillerWhale #J50 was spotted with her mother J16 yesterday in US waters @NOAAFish_WCRO & our other partners gave her more antibiotics before she started moving into Canadian waters More updates on @NOAAFish_WCRO's site

http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/killer_whale/updates-j50-j35.html

- Our experts and partners from @vanaqua are on the water today with Straitwatch to look out for #J50 and will attempt to administer further anti-parasitic medication. Further updates on @NOAAFish_WCRO's website:

http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/killer_whale/updates-j50-j35.html

Thanks,

Janine

Janine Malikian

Communications Advisor | Conseillère en Communications

Fisheries and Oceans Canada | Government of Canada

Pêches et Océans Canada | Gouvernement du Canada

200-401 Burrard Street | Pièce 200 401, rue Burrard

Vancouver, BC V6C 3S4 | Vancouver, (C.-B.) V6C 3S4

Janine.Malikian@dfo-mpo.gc.ca

Tel/Tél: 604-666-6766 | Fax/Télécopieur: 604-666-1847

Follow us on Twitter! [@DFO_Pacific](#) / Suivez-nous sur Twitter! [@MPO_Pacifique](#)



Fisheries and Oceans
Canada

Pêches et Océans
Canada

From: Michael Milstein - NOAA Federal [REDACTED]

Sent: Tuesday, September 4, 2018 7:26 AM

To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>

Cc: Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Ruth Howell - NOAA Federal [REDACTED], Jim Milbury [REDACTED]

Subject: Update for Tuesday, Sept 4

Yes, Louise Sorry, we got done late last night

Yes, we plan to issue an update through social media today. We decided against a press call because it did not seem like there was enough new information to justify that, and would potentially open up many new questions

Also the team is focused on delivering a second dart with the dewormer as the next step in the treatment priorities, so we feel it is important to let that play out today.

Our emphasis today is on:

- 1) Relaying news of the successful dose of antibiotic on Monday (there has been some confusion about whether a full dose was delivered, so we want to emphasize that J50 did receive most of the dose, according to Marty)
- 2) Emphasizing the need for further treatment with the dewormer.
- 3) Recognizing the importance of partnerships in gathering the latest information on J50.
- 3) Since J Pod is moving into Canadian waters, we would like to recognize DFO as the lead, and support your efforts today.

I am pasting below our DRAFT statement for social media today. This has not been through our review yet, so please do not share this widely, but I wanted you to see what we are thinking. Please let me know if you have suggestions on changes

#J50 Update (9/4). Once again J50, also known as Scarlet, impressed biologists and veterinarians on Monday (9/3) as remarkably active and engaged with J Pod despite her severely emaciated condition. Never have researchers seen such an emaciated whale defy the odds for so long. J50 stayed close to her mother, J16, and continued the longer dives expected of healthy whales. Veterinarian Marty Haulena of the Vancouver Aquarium provided J50 another dose of antibiotics through a dart, following up the initial dose administered on 8/9. While the earlier dart on 8/9 may have come out before delivering the full dose, he believes Monday's dart did the job, injecting most of the antibiotics. The treatment priority has now shifted to administering a dewormer, also through a dart, to reduce any parasitic burden on J50's system so she can begin to recover. Teams did not get the chance to administer a second dart on Monday, but will continue to attempt that, depending on the location of the whales and conditions on the water. The reversal of fortune on Monday, which began with concern that J50 had gone missing but ended with her sighting and successful treatment, again reminds us just how much we rely on teamwork and support on the water. Soundwatch/The Whale Museum, Center for Whale Research, Vancouver Aquarium, SR3, University of Washington, Washington Department of Fish and Wildlife, Fisheries and Oceans Canada, and members of the Pacific Whale Watch Association all contributed information and support when we -- and J50 -- most needed it. Thank you.

On Tue, Sep 4, 2018 at 7:09 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote.

Good morning Michael.

We did get a very short update from Paul. Can you please let us know if you will be issuing an update this morning? Do you have media lines you can share? Everyone here anxious to know next steps.

Much appreciated.

L

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>

Sent: Monday, September 3, 2018 10:20 PM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G; Lowe, Carmel

Subject: RE: J-50 has been missing since Thursday Evening evening

Hi All,

As an update, this afternoon vets were able to administer a second dose of antibiotic to J-50 in US waters. J-pod were transiting North into Canadian waters at 17:00. NOAA has decided to not have a media call tomorrow morning.

Cheers,

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Monday, September 03, 2018 10:57 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G; Lowe, Carmel

Subject: RE: J-50 has been missing since Thursday Evening evening

Hi All,

Sorry for all the emails but want to keep you up to date. J-50 has been spotted alive and with her mom J16 at Hein Bank in US waters (between Victoria and Oak Harbour). A veterinarian health assessment of J-50 today is planned if logistics permit.

Cheers,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Monday, September 03, 2018 10:23 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard,

Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: RE: J-50 has been missing since Thursday Evening evening

Hi All,

I just wanted to update you that the Friday evening sighting in the San Juan Islands has not been confirmed with pictures and to be safe we are considering the last sighting of J-50 to be Thursday evening. Worked through this with the NOAA folks. The last confirmed sighting of J-50 was off Carmanah Light House on the West Coast of Vancouver Island by Brian Gisborne (DFO) Thursday evening. It is believed J-pod slipped into in-shore waters on Friday.

Cheers,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Monday, September 03, 2018 9:19 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: J-50 has been missing since Friday evening

Hi All,

As an update, J-pod, including J16 (her mother) and J26 (her brother) were observed in the Gulf Islands yesterday without J-50. J-50 is considered missing with the last confirmed sighting of J-50 on Friday evening off the San Juan Islands in the US. The next morning (Saturday) J-pod was seen traveling north in Swansen Channel around North Pender Island, through Active Pass to Sandheads off the Fraser River (ie in Canadian waters). It is likely J-50 became separated or died during this period of time. We have multiple vessels out today looking (including DFO and Straitwatch). I have also reached out to our Transport Canada and DFO aerial plane surveillance programs to assist if they happen to be transiting the area. I am coordinating efforts with NOAA who have vessels and aerial support today to assist with locating J-50. If J-50 died, we are very interested in collecting her carcass to determine cause of death and what was ailing her. We have a contingency plan if J-50 died and her carcass is located to get to Dr Raverty for necropsy

asap. NOAA may be doing a press release today. I have requested they contact Louise and Lara to ensure consistent messaging with DFO. I will keep you posted of any updates.

Thanks so much,

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Saturday, September 01, 2018 4:50 PM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: RE: J-pod in inshore Canadian waters

Hi All,

J-50 was not located with j-pod today. J16 her mom was observed. J-pod is currently in Canadian waters off the Fraser River. Weather and viewing conditions were very good today. The response team has returned to port. I will update you as more information becomes available.

Cheers,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Saturday, September 01, 2018 1:06 PM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: J-pod in inshore Canadian waters

Hi All,

As an update. J-pod was located in the Gulf Islands off North Pender this morning and heard on the DFO killer whale tracking network hydrophones. J-pod has traveled through Active Pass and is heading North towards Sandheads Light station at the mouth of the Fraser River. J50 and J16 sightings among the group have not yet been confirmed. DFO funded habitat stewardship program Strait Watch just arrived on scene. DFO MM rescue is on stand-by and a C&P vessel will be on scene in a couple hours. The NOAA J-50 response team has been notified and is en-route. The weather is conducive for darting and will keep you updated on antibiotic or anti-parasitic medication darting attempts and outcomes.

Cheers,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Cottrell, Paul

Sent: Wednesday, August 29, 2018 9:05 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; Thornton, Sheila; MacConnachie, Sean; Sloan, Lara; Girouard, Louise; Greene, Annely; Webb, Cheryl; Cauffope, Genevieve; Doniol-Valcroze, Thomas; Jenkins, Randy; Moore, Kendra; Scott, Paul G

Subject: Fw: Response Capacity Restored

Hi All,

NOAA has restored their operational team and are on standby if J50 returns to in-shore waters. See NOAA'S update below. K's and L's were seen yesterday afternoon by DFO off the West Coast Of Vancouver Island. J's were not observed. Weather and viewing conditions were poor.

Cheers,

Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Kristin Wilkinson - NOAA Federal <[REDACTED]>

Sent: Tuesday, August 28, 2018 7:24 PM

To: brad.hanson; Jeff Foster; Katy Foster; Joe Gaydos; Marty Haulena; Hendrik Nollens; Jennifer Olson; Taylor Shedd; Jim McBain; Candice Emmons; Jenny Atkinson; Deborah Giles, PhD; Russ Mullins

Cc: Ruth Howell; Lynne Barre; Teri Rowles; Sarah Wilkin - NOAA Federal; John Durban - NOAA Federal; Cottrell, Paul; Thornton, Sheila; Chris Yates - NOAA Federal; Mike Ford - NOAA Federal

Subject: Response Capacity Restored

Good Evening Everyone -

Dr Joe Gaydos has offered his expertise and skills as a vessel operator so we can continue on water response if J50 were to come back to the area. I'd like to request that if anyone has sighting information in real-time (Soundwatch, DFO, UW, PWWA, etc.) to please share those sightings with Dr Gaydos ([REDACTED] cell) so a team can be assembled quickly. We continue to have veterinary coverage for medical treatment and Joe will coordinate with the available vets and I will continue to provide a veterinary schedule for his use. Brad and Candi will be back on the island starting September 5th, their on water efforts will be focused on their d-tagging work and Jeff and Katy will be back on island around September 6th.

We will continue to try to accomplish the below goals and will continue to have 9pm debrief calls when the team is on the water with J50. If there are no sightings or updates I will try to cancel the call by 6-7pm.

Our goals continue to be;

1. Administer a full dose of Covenia (antibiotic) in U.S. or Canadian waters

2. Administer one dose of Ivermectin (dewormer) in U.S. or Canadian waters
3. Compare photogrammetry images from August 1st to next available images collected by SWFSC - U S waters
4. Opportunistically collect samples from J50 (primarily UW during this current operating period)

Thank you to SeaDoc for making on water response a possibility and to all of you for your continued dedication to make this effort as successful as possible.

Please do not ever hesitate to reach out if I can be of assistance, I can always be reached on my cell phone at [REDACTED]

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



On Mon, Aug 27, 2018 at 1:23 PM, Kristin Wilkinson - NOAA Federal [REDACTED] wrote.

Hello All,

We will have a temporary pause in our on water emergency response capacity for J50 between Thursday, August 30th and Wednesday, September 5th. Brad is off island preparing for their upcoming September field season, Candi is out of town, and Jeff and Katy need to leave the island [REDACTED]. With Brad, Candi, and Jeff being the most experienced vessel operators in close distance to SRKW we will temporarily pause our on water efforts to administer medical treatment. If SeaDoc would like to monitor her overall condition and document from a distance that is a possibility and our partners (UW, Soundwatch, DFO, etc.) will continue to provide information as available.

Our goals continue to be,

1. Administer a full dose of Covenia (antibiotic) in U.S. or Canadian waters
2. Administer one dose of Ivermectin (dewormer) in U.S. or Canadian waters
3. Compare photogrammetry images from August 1st to next available images collected by SWFSC - U.S. waters
4. Opportunistically collect samples from J50

Please let me know if you have any questions or concerns about this temporary pause in operations or if you have additional resources (such as experienced vessel operators) please feel free to bring them to my attention.

A huge thank you to the entire team for all of their efforts, time, and energy put towards this case to date.

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

 Cell



NOAA FISHERIES
West Coast Region

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]
[REDACTED]



NOAA FISHERIES

Find us online

www.nmfs.noaa.gov



Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Barton, Meagan

From: Lowe, Carmel
Sent: September-04-18 9 03 AM
To: Webb, Cheryl, Thomson, Andrew
Subject: FW UPDATE on NOAA options for J50 - SRKW
Attachments: J50 Options to Intervene_082818_BT cleared docx, SRKWInterventionOptions_2018_Updated docx

Fyi – NOAA meeting to review/decide on options is confirmed for tomorrow

Carmel

Carmel Lowe, Ph D
 Regional Director Science | Directrice régionale des sciences
 Fisheries and Oceans Canada | Pêches et Océans Canada
 Pacific Biological Station | Station biologique du Pacifique
 3190 Hammond Bay Rd, Nanaimo, BC, Canada V9T 6N7

Carmel.Lowe@dfo-mpo.gc.ca
 Telephone | Téléphone 250-756-7177
 Facsimile | Télécopieur 250-729-8360
 Government of Canada | Gouvernement du Canada

From: Kennedy, Eddy
Sent: August 31, 2018 4 08 PM
To: Nadeau, Simon <Simon.Nadeau@dfo-mpo.gc.ca>, Landry, Jean <Jean.Landry@dfo-mpo.gc.ca>
Cc: McPherson, Arran <Arran.McPherson@dfo-mpo.gc.ca>, Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>, Reid, Rebecca <Rebecca.Reid@dfo-mpo.gc.ca>, MacConnachie, Sean <Sean.MacConnachie@dfo-mpo.gc.ca>
Subject: UPDATE on NOAA options for J50 - SRKW

Please find attached docs prepared by NOAA outlining their proposal to capture J50 to do a thorough assessment onboard a vessel (OPTION 1) and hold (if necessary) to treat in a rehab setting (OPTION 2) A call between DFO (Paul Cottrell, Sheila Thornton, others) and NOAA is schedule for next wed to discuss
 I think it would be valuable to set up a call to discuss early next week since there could be implications for Science and the department
 Carmel will be briefed Tuesday morning upon her return and we can set up something after that
 I also am available for a call this afternoon if necessary

Eddy

s.19(1)
s.21(1)(a)
s.21(1)(b)

From: Kennedy, Eddy
Sent: August-31-18 12:31 AM
To: Nadeau, Simon; Landry, Jean
Cc: McPherson, Arran; Lowe, Carmel; Reid, Rebecca
Subject: FW: J50 sighted off Carmanah @ 1930 on Thursday, Aug 30th

FYI – J50 is back after a few days in open water. There is a potential for interest to be reinvigorated. NOAA is also working internally on a contingency plan with various options in case the health of the animal declines. I'm meeting with some science staff tomorrow to discuss. I'll send an update tomorrow.

From: Thornton, Sheila
Sent: August-30-18 8:05 PM
To: Lowe, Carmel; Kennedy, Eddy; MacConnachie, Sean; Cottrell, Paul; Brad Hanson; John Durban - NOAA Federal
Cc: Kristin Wilkinson - NOAA Federal; Joe Gaydos; Marty Haulena; Nollens, Hendrik
Subject: J50 sighted off Carmanah @ 1930 on Thursday, Aug 30th

Hello all – J50 has been sighted 1.5 mi south of Carmanah @ 1930 this evening. Conditions are flat calm, no ground swell, no fog. Entire J pod was present. J16 (mom) and J26 (brother) lag behind the group by 3 nm, J50 is lagging behind them by 0.5 nm. J26 observed to drop back to within 0.2 nm after a kill and release prey (identified by bird presence and scale collection), J50 targeted the location and stopped in the fluke print. At times she may be as close as 0.2 nm behind J16 and J26, but appears to be having difficulty in keeping up.

Ks were sighted foraging down the US side of JDF, Ls were foraging off Walbran.

Regards,

Sheila

Sheila J Thornton, Ph D
Research Scientist, Ecosystem Sciences Division (ESD), Science Branch
Fisheries and Oceans Canada / Government of Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel 604-364-5917

Scientifique de recherches, Division des sciences de l'écosystème, Sciences
Pêches et Océans Canada / Gouvernement du Canada
Sheila.Thornton@dfo-mpo.gc.ca / Tel 604-364-5917

J50

Options to Intervene as/if Necessary

The NMFS West Coast Region (WCR) is working closely with the Northwest Fisheries Science Center (NWFSC), NMFS Office of Protected Resource's Marine Mammal Health and Stranding Response Program (MMHSRP), Fisheries and Oceans Canada (DFO), veterinarians, and other partners to monitor the condition and behavior, collect samples (breath, feces, skin, mucous, etc.), and provide medical treatment (antibiotics, dewormer) to J50, an ailing young female Southern Resident killer whale who is important to the population based on her reproductive potential.

The NMFS NWFSC and Southwest Fisheries Science Center will be conducting field research in September to collect quantifiable information on the body condition of J50 and the entire Southern Resident population via photogrammetry and additional observations/samples. Additional research teams from the Center for Whale Research and University of Washington are also studying the population and veterinarians will be available to conduct periodic follow-up health assessments.

If at any time J50's overall condition or behavior changes (lagging significantly behind her pod, extended logging at the surface, full separation from pod, out of normal habitat sightings, etc.) we will consult with experts to evaluate the risks to J50 and to the population, discuss specific intervention protocols, and identify resources with potentially high costs, in coordination with OPR and NWFSC, to inform a decision of whether to intervene by WCR leadership. The OPR/MMHSRP permit provides broad authorization for veterinary medical intervention as needed. Specific intervention options that are currently part of the contingency planning include 1) capture and temporary (~1-2 hours) holding for assessment and 2) capture and short-term rehabilitation.

- 1) A capture and release effort by an international team of experts could be conducted to obtain a full physical assessment of J50's condition. The exam would take place on a vessel and J50 would be released and reunited with her pod as soon as possible. The physical exam could include lung, cardiac, GI tract, blood analysis and identifying conditions that could be treated such as; fungal or bacterial infections, parasites, foreign bodies or anemia. Ideally, this effort would be conducted during a time of natural separation (J50 has a history of short-term separation of 2-3 hours from her pod). If a health condition was detected during this examination that could be treatable in care, J50 could be moved to short-term rehabilitation (Option 2).
- 2) A capture and short-term holding could be conducted if the veterinary assessment determines that J50 has a condition that is treatable in a rehabilitation setting. She would be moved into a temporary land-based medical pool for stabilization prior to a net pen at the NWFSC Manchester lab for care and treatment which is available through mid-October. Our goal would be to provide her with the best possible care and treatment within a short-term time frame. However, WCR would need to be prepared to house her longer-term if her condition did not improve before her pod leaves the area. These activities are time sensitive based on her condition and potential opportunities for reintroduction to her pod.

Additional contingency planning is being conducted if she live strands on a beach. In this instance, we would immediately follow standard stranding network procedures for response, veterinary assessment, and (if deemed appropriate) transport and rehabilitation. This rehabilitation process could be short- or long-term depending upon the severity of her condition.

Under all intervention options, our goal is to reunite J50 with her pod as soon as possible. We want to balance needed treatment and nutritional supplementation while avoiding imprinting, behavior changes, and causing distress in the J pod. While current field activities occur, we will continue coordination and contingency planning efforts with Canada to identify resources and prepare for the possibility of a live stranding, capture, and need for rehabilitation. This entire process includes significant uncertainty and requires careful consideration of potential risks, including death, and the future reproductive benefits to the population.

Southern Resident Killer Whale Intervention Options

Written by K. Wilkinson

Reviewed by L. Barre & NOAA OPR

Concerns for all intervention options:

- Negative perceptions by some that we are not doing enough or by others that we are doing too much to help an individual
- Impacts to other members of the population as a result of intervention for J50
- Perception that we did not take time to listen to the public
- Potential for non-releasability determination as an outcome of any capture or rehabilitation option
- Negative public perception of partnering with Sea World and association with killer whales in captivity

1. Continued Remote Monitoring, Sampling, and Medical Treatment

a. Goal: Diagnosis and remote treatment of condition

b. Risks:

- i. Remote sampling likely to not determine cause of illness and her body condition likely will result in carcass not being recovered; therefore she may disappear with no necropsy and no definitive cause of death. Therefore we will not ever know what should/would be best in future responses and it will not be as informative for future recovery actions or response efforts.
- ii. Antibiotics may alter bacterial flora (both beneficial and pathogenic); an incomplete dose may be given due to delivery logistics possibly reducing effectiveness; follow up dosing may be logistically challenging possibly reducing effectiveness; and the antibiotic choice may or may not address the underlying issue.
- iii. May require multiple close approaches for continued assessment and treatments; possible disturbance to Jpod; possible behavioral change from J50 (avoidance) making diagnostics, monitoring and treatment more difficult or stressful in the future.
- iv. Drug trial on live, free swimming, wild SRKW. We currently do not have a mechanism to fully document the effectiveness of specific drugs and therefore whether they provided any rapid improvement in the overall condition of the animal since we do not have a confirmed diagnosis.
- v. Live fish trials for medical treatment unlikely to be effective for targeted oral medication to an individual and perceived as precedent setting feeding effort

c. Benefits

- i. Documentation of condition and behavior over time will be useful in this case and in future cases.
- ii. Sample collection analysis and archived samples should be available for future cases.

- iii. Opportunity for tool development of live fish trial as potential option for oral medication.
 - iv. Broad spectrum antibiotic and antiparasitic given remotely may reduce the impacts of bacterial infection and parasitic load which decrease her energetic needs.
- d. Other concerns
 - i. Public perception is that we are helping J50 recover with medical treatment (antibiotics) but this treatment is not as effective as it could be if we truly understood what the source of her malnutrition is.
 - ii. Tribal relations are concerned about the fish trial being on hold with NWFSC off the water. Emailed NOAA 8/16/18. Responded to by K. Wilkinson on 8/17/18
- e. Resources Needed
 - i. Vessels & Crew for monitoring and sample collection
 - 1. NWFSC (Hanson field season starting September 5th)
 - 2. Back up: SeaDoc Vessel
 - 3. Other partners on water: Soundwatch for education, UW for fecal samples, Center for Whale Research for observations, WDFW for enforcement.
 - 4. UAS on water assessments beneficial but no source in Canada and limited assets in US (Durban field season September 3rd)
 - 5. Sample analysis (NWFSC, Sea World and other labs)
 - ii. Needs for medical treatment
 - 1. Vancouver Aquarium, Sea World, SeaDoc veterinary expertise
 - 2. Drugs, darts
 - 3. Better and more rapid diagnostics

2. Temporary Capture Health Assessment and Treatment

- a. Goal: Improve diagnoses of health status, potential pinpoint or rule out cause(s) or contributing factor(s) of malnutrition and continued decline, provide more advanced medical treatment, section e below.
- b. Risks:
 - i. Acute death during capture through stress, capture myopathy, or net
 - ii. Injury during capture (capture myopathy or aspiration of water or injury via net) which may lead to short term holding or reduce release success
 - iii. Increased short term stress to J50 and her pod if present during capture
 - iv. May not obtain enough real time data to make informed decisions on next steps while in the field
 - v. Capture release may make a future capture event more difficult if one is needed due to J50 avoidance behavior or pod behavior
 - vi. Assessment includes invasive procedures
 - vii. Rapid decision making while she is in hand to inform immediate release, short term holding and rehab, long term rehabilitation – if all resources are not immediately available we risk not having the best possible care available to her

- c. Benefits:
 - i. Diagnostics and analysis could be performed on the samples and information collected to make better informed decisions moving forward.
 - ii. Better target treatments
 - iii. Improve potential for success with better treatment strategy
- d. Other
 - i. Negative public perception that we went too far, particularly if capture includes removing animal from her mother
 - ii. Tribal response to this activity unknown
- e. Resources Needed:
 - i. Capture expertise
 - 1. Capture proposal by Jeff Foster; received by NOAA on 8/17, 8/22
 - a. Hoop net needed, may need to fabricate (~\$900, Jeff was given permission to order this on 8/16; to be reimbursed)
 - ii. Stretcher, poles, and sling (Made available by Sea World, will ship to SeaDoc on 8/22, WCR purchase in process)
 - iii. Crane for lifting in and out of the water <Nordland II, Sound Guardian no longer available?> Jen Olson researching 8/30/18
 - iv. Vessel large enough to put her on the back deck <Currently unidentified, Nordland II, Sound Guardian no longer available> Jen Olson researching 8/30/18
 - v. Thick foam padding for the deck (Purchased by Sea World, will ship to SeaDoc on 8/17)
 - vi. Veterinary expertise and medical treatment available (an entirely new team of experts would need to be assembled to achieve the below goals).
 - vii. Release criteria met; tag with d-tag upon release
 - viii. If deemed non-releasable after the physical exam we would need a short or long term rehabilitation location or facility identified. A transport box would need to be available to get her to the rehabilitation facility (this is available by Sea World and will be shipped to Anacortes on 8/23 for staging).
- f. Goals:
 - i. Blood
 - ii. Full physical exam
 - iii. Auscultate and ECG
 - iv. Ultrasound full body and echo if warranted
 - v. Endoscope the upper GI tract for parasites, foreign body, lesions, food sample
 - vi. Fecal sample
 - vii. Weight
 - viii. Length
 - ix. Provide fluids, nutrients, antibiotics and deworming treatment and other as needed or deemed warranted
 - x. Tag with D-tag when release

3. Temporary Care and Rehabilitation <Less than one month>

- a. Goal: Release and reintroduction to her pod
- b. Risks
 - i. Death during capture, transport or rehabilitation
 - ii. Negative public perception of our activities and potential for non-releasability determination
 - iii. Cost
 - iv. Logistics
 - v. Staffing
- c. Benefits
 - i. Intervention is an alternative to potential for visible slow decline until death
 - ii. Improved diagnosis and rule-out
 - iii. More targeted and effective medical treatment
 - iv. Handling and learning experience
 - v. If successful, intervention could increase chance for survival and reproduction, she may birth up to 5 calves in the future
 - vi. If successful, positive public perception of our activities
- d. Resources Needed
 - i. Transport box including sling/stretchers/poles.
 - 1. The transport box weighs 3,000 lbs.
 - 2. The stretcher weighs 300 lbs.
 - 3. The whale weighs ~ 1300 lbs.
 - 4. Each foot of water weighs 4,400 lbs. We would need at least 18" to 24" of water in the transport box.
 - ii. Transportation for transport box and J50 to Manchester, WA.
 - 1. Barge contacts for transport box logistics: NOAA Interns assigned to contact with a list of questions on 8/17
 - a. Blackwater Marine, George Lulham, [REDACTED] cell
 - i. Where is your barge based? Seattle and Anacortes
 - ii. Is there shoreside secured storage where a transport box could be sent and staged in the interim? If so, is there a cost for short term storage? Yes, [REDACTED] per day if our company is used for transport
 - iii. Can you accommodate a 18' long, 5' wide, 5' tall transport box on the barge? Yes
 - iv. Can you accommodate the weight of 14,000 lbs ? And can you accommodate a live load? Yes and Yes
 - v. Can you allow our staff to be on board with the transport box? Yes
 - vi. Can you take your barge to the San Juan Islands? Yes, also have a third facility in Anacortes, with night watchman, secure location

- vii. Do you have a crane on board? If so, what is the weight limit? Yes, 25 tons/50,000 lbs
- viii. Can the transport box be removed from your barge using your crane onto land with a weight of 7,000 lbs ? Yes
- ix. What is the daily operational cost to use this vessel?
[REDACTED] per day
- x. How much lead time do you need to get this vessel underway? Ideally at least one day, but if already active in a project, can be underway in a matter of hours
- xi. How long would it take you to get up to San Juan Island?
From Anacortes to Friday Harbor: 4 hours Out of Seattle 17 hours
- xii. How long would it take you to get from San Juan Island to Manchester? About the same: 17 hours
- b. Thompson Pile, [REDACTED]
- c. Nordland II, San Juan Ferry and Barge, (360) 378-4404 (cannot handle the load needed, not a viable option for long transport - could be used for physical assessment possibly)
- iii. Transport and rehabilitation veterinary and husbandry staff
 - 1. Sea World has offered 6-8 vet and husbandry staff for 4 weeks to oversee this aspect of operations.
- iv. Temporary pool
 - 1. A temporary pool filled with seawater could be utilized for 1-2 weeks while she is stabilized. Then she could be moved into a sea pen.
 - a. NOAA Manchester is an available location for this. They do have access to sea water and have the appropriate water filtration and disposal already in place. They have identified locations that would work for a 30' pool, unfortunately they have no indoor locations that would work for that size of a pool. The best they could offer for an inside structure is a farm-tek fabric type building that measurement 24' x 50'. Both the outside and inside areas could be readied for a tank with a little effort.
 - b. Plumbing preparation costs are \$1000 - \$1200
 - c. Sand to create a level area for the pool is estimated to be \$200-\$300
 - d. This pool is being ordered on 8/17 and delivered to Manchester for staging. 18'x40' oval; 52" deep
 - i. <http://www.royalswimmingpools.com/1840-Oval-54-Matrix-Above-Ground-Pool-Kit.html>
- v. Rehabilitation Facility (see below)
- vi. Sea Pen (see below) Will be needed if any rehab is attempted

- vii. Barge \$36,000
 - 1 Includes skipper and crew With a budget of \$500,000k (offered by Sea World) this would give us ~ 13 days of access to her. Additional barge contacts listed below for transport box.
- viii. Releasability Criteria
 - 1. Goal: To rehabilitate and release her with reintroduction to her pod. NOAA Fisheries has developed Final policies and best practices : marine mammal stranding response, rehabilitation, and release : standards for release that can be viewed at <https://repository.library.noaa.gov/view/noaa/14917>
 - 2 Risks
 - a. Public perception
 - b. Death
 - 3. Benefits
 - a. Continued life and medical treatment
 - 4. Resources Needed
 - a. Consultation panel to review releasability
 - b. Long Term Care Facility if deemed non-releasable
 - i. Will need to work with NOAA HQ Permits Office on placement

4. Long-Term Care and Rehabilitation for Release <More than one month>

- a. Goal: Release and reintroduction to her pod
- b. Risks
 - i. No improvement, continued decline, death
 - ii. Cost would be high; logistics challenging, staffing difficult to maintain
 - iii. Imprinting may be hard to de-program for release; timing and location of release critical
 - iv. Release location and timing may be challenging if we have to release in Canada
 - v. She may or may not have learned to effectively feed in the wild prior to capture, therefore risks for release
 - vi. Negative public perception of our activities and potential for non-releasability determination
- c. Benefits
 - i. Best manner to follow and adjust treatment effectiveness
 - ii. Providing adaptive management capabilities and follow diagnostics to improve medical treatment
 - iii. Handling and learning experience in rehabilitation
 - iv. If successful, she may birth up to 5 calves in the future
 - v. If successful, positive public perception of our activities
- d. Resources Needed
 - i. Sea Pen

1. NOAA Manchester: The Navy has offered up the use of a 40x40 net pen free of charge to this effort, NOAA has a 40x40 net pen webbing that was used for Springer (photo in Google Drive). The net pen needs \$200 of repairs and NOAA Manchester staff labor would need to be covered for this work. There is no cost for the Navy to deploy the net pen but NOAA Manchester staff would need to help get it deployed. Net weights are available at NOAA Manchester for our use. The area of Clam Bay is in federal waters and for the most part is protected, there is a 200 ft. keep back sign that is posted with other keep out government signage. We would likely need to employ a security guard 24/7 at this location but the land based side is secured. They need 2-3 days lead time. This location is available to us now through mid to late October. After this time there is a substantial construction project with pile driving.

- a. Staff Assistance at Manchester:

- i. Penny Swanson, [REDACTED] 206-550-1562 cell
 - ii. Barry Berejikian, [REDACTED] 253-514-9910 cell
 - iii. Rick Goetz, [REDACTED]
 - iv. James Hackett, [REDACTED] 360-731-4267 cell

- b. Food Source. We do have 250 Chinook salmon in culture, but they are still fairly small (~700 g each) and intended for experiments. We may be able to spare 50 of these, although that's clearly not much of a contribution. The hatcheries in the region are full of Chinook now, but their condition would be less than ideal. Barry Berejikian, Supervisory Research Fishery Biologist

- c. Heavy equipment: Forklift on site that can lift 5,000 lbs. Ideally we would hire a crane service. James Hackett is working with his contacts to determine size, cost, and availability. An initial crane estimate is [REDACTED] (provided by Barry). Western Crane setup and mob is [REDACTED] then [REDACTED] per hour, overtime is time & 1/2/hr.

- i. Dave V. Will/Operations Manager, Western Crane, Inc., P.O. Box 68068 Seatac, WA 98168-0068, Office/Yard: 7245 W Marginal Way SW, South Bay #2, Seattle, WA 98106, 206-242-9900, operations@westerncrane.com

- d. Barge contacts for transport box logistics:

- i. Blackwater Marine, George Lulham,

- ii. Thompson Pile,

- e. We have two possibilities to land the whale at NOAA Manchester.
 - i. Bring the whale to the EPA pier where our net pens are located and barge crane it onto our NOAA trailer then driving it to the pool location approximately 3000 feet from the pier.
 - ii. Bring the whale to the Navy launch crane it onto our NOAA trailer and then transport it to the pool location approximately 3/4 mile from the launch.
 - 1. Both locations will stay on Federal land EPA, Navy, and NOAA during the transport

ii. Rehabilitation Facility

1. Vancouver Aquarium

- a. Issues: Export Permit (MMPA/ESA permit on hand, Appendix II CITES requires only export permit which we have valid through Nov; but will require a DFO import permit which is likely not trivial, will require medical clearance in and out of Canada; we have not agreed on what that includes)

2. Sea World

- a. J50 would need to be stabilized at a temporary facility and then flown to San Diego. Logistics is complicated and public perception would be a challenge.

iii. Barge – Not cost feasible but if donated might be

5. Live Stranding on the Beach

- a. Goal: Remove from the beach and transfer to care facility
- b. Risks
 - i. Physical and physiological issues including stress from beach strandings
 - ii. Other pod members stranding with her
 - iii. Logistical constraints removing her from the beach making response and live animal rescue difficult to impossible
 - iv. Her condition leading to beach stranding or a long time on the beach likely will significantly decrease the chances of rehabilitation and release
 - v. Public observation and sharing information via live stream or social media depending on site of the stranding
 - vi. Death
- c. Benefits:
 - i. Full necropsy if she passes away
 - ii. If possible to bring her into rehabilitation, will do best diagnostics and treatment possible in preparation for release
- d. Other

- i. Public perception that we did not intervene soon enough
- e. Resources Needed
 - i. Stranding Response Team
 - 1. The Whale Museum is the local Stranding Network Partner
 - 2. Additional support to secure location, respond to public depending on location
 - ii. Supportive care supplies
 - 1. Currently on hand and stored at The Whale Museum
 - iii. Veterinarian expertise
 - 1. Dr. Joe Gaydos is based on Orcas Island and is a Co-Investigator on The Whale Museum's Stranding Agreement
 - iv. Transport box including sling/stretchers/poles
 - 1. Will be shipped and stored on Orcas Island on 8/22
 - v. Transportation to facility
 - 1. See barge options for the transport box
 - vi. Short or long term rehabilitation facility
 - 1. See above sections for short and long term holding
 - vii. Release plan
 - 1. Will be developed when release criteria have been met or are close to being achieved

Girouard, Louise

From: Girouard, Louise
Sent: Thursday, September 6, 2018 8:39 AM
To: Michael Milstein - NOAA Federal
Cc: Jim Milbury, Malikian, Janine, Sloan, Lara, Forbes Darby - NOAA Federal
Subject: RE: Update on J-50 today

Thanks Michael, this is really helpful.

I believe that a call would be welcomed at this juncture.

L

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Thursday, September 6, 2018 8:30 AM
To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Cc: Jim Milbury <[REDACTED]> Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Forbes Darby - NOAA Federal [REDACTED]
Subject: Re: Update on J-50 today

Hi Louise,

We are planning an update, but just to discuss the results of the samples, which many people have been asking for.

We are not going into next steps at all publicly (other than the Q&As I shared earlier), unless directly asked. We are considering some kind of public meeting to give people a chance to share views

Of course many internal discussions ongoing, and Lara and I were planning to check in today.

Perhaps it is also time for another call with the group?

Thanks for checking!

Best,
Michael

This is our draft update for today. Let us know if you suggest any changes.

We know many of you are interested in the results of the fecal samples and breath samples the team collected to better understand and diagnose J50's condition. We reported back on August 17 on the first fecal sample, which was collected from a small group of J Pod whales, including J50. We used genetic analysis to determine the sample, but it is likely from J16, J50's mother. This sample showed evidence of parasitic worms. Since J16 shares fish with J50, the veterinary team prioritized treating J50 with a dewormer, following antibiotics. A second fecal sample was identified as coming from J27, an adult male. Researchers at the Northwest Fisheries Science Center in Seattle have meanwhile extracted DNA from the breath sample. While the sample

was small and yielded little DNA, researchers are adapting their analysis to make the most of the available material. They anticipate that the results may reveal further clues about what may be affecting J50. We will update you when we have more information. Find the latest on the J50 response at bit.ly/NOAAJ50J35

On Thu, Sep 6, 2018 at 8:16 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:

Good morning Michael,

We are hearing that you are providing an update on J50 health this morning – we are aware of ongoing conversations between DFO and NOAA regarding next steps.

Can you please let us know how you intend to roll out.

Much appreciated,

L

Louise Girouard

Regional Director Communications | Directrice régionale des communications
Pacific Region | Région du Pacifique

Fisheries, Oceans and Canadian Coast Guard | Pêches, Océans et Garde côtière canadienne
Louise.Girouard@dfo-mpo.gc.ca Tel: 604.666.3855 | Cell: [REDACTED]

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]



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Barton, Meagan

From: Davis, Neil
Sent: September-06-18 12 53 PM
To: Sloan, Lara, Girouard, Louise, Malikian, Janine, Thomson, Andrew, Cottrell, Paul
Subject: RE J50 Update

Follow Up Flag: Follow up
Flag Status: Flagged

I'm free until 1 but could resched the 1 pm mtg if it is urgent

From: Sloan, Lara
Sent: Thursday, September 6, 2018 10 53 AM
To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>, Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>, Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Subject: J50 Update

I have updates from Michael Milstein Anyone have 5 mins for a call?

From: Nesseth, Megan
Sent: September-06-18 10:40 AM
To: Girouard, Louise; Quinn, Caroline; Hubley, Marian
Cc: Smith, Kathleen; Fagan, Ashley; Scott, Paul G; Sloan, Lara; Malikian, Janine; Geraldles, Betty
Subject: RE: J50 Update

Thanks for the update! Keep me posted and let me know if there's anything we can do! ☺

From: Girouard, Louise
Sent: September 6, 2018 10:11 AM
To: Nesseth, Megan; Quinn, Caroline; Hubley, Marian
Cc: Smith, Kathleen; Fagan, Ashley; Scott, Paul G; Sloan, Lara; Malikian, Janine
Subject: Re: J50 Update

Good morning Megan,

Lara Sloan will be updating our lines I will reach out to NOAA and get a idea of their activities for today.

We will also work on tweets to be issued today.

L

From: Nesseth, Megan
Sent: Thursday, September 6, 2018 6:54 AM
To: Quinn, Caroline; Hubley, Marian
Cc: Smith, Kathleen; Fagan, Ashley; Girouard, Louise; Scott, Paul G
Subject: FW: J50 Update

Caroline/Marian,

NOAA intends to do some public communications about J50's condition today, and what their next steps are Louise has been briefed and PAC region is leading on comms We can support however needed. [REDACTED]

An email from Rebecca Reid (attached), indicates

that there is desire for Canada to be supportive of NOAA's efforts.

An update on J50 and NOAA's plans is below. J-Pod is currently in Canadian waters. Program tells me that due to her rapidly deteriorating condition, NOAA's intention is to ask permission from the GoC to carry out these plans if the pod remains in Canadian waters:

- There is now a general consensus among DFO (Pacific) and NOAA that J 50 continues to deteriorate, and in particular has shown significant decline over the last month or so (scroll down to see photos). They are concerned that she may die fairly soon and consequently, both NOAA and Pacific are leaning toward a recommendation of capturing J 50, providing her with a health assessment, treatment, and hopefully a return to the pod. Essentially Pacific now feels that such measures are justified in a last ditch attempt to save the whale.
- **The risks:** death while in captivity, potential for long term captivity, the possibility that she may need to be euthanized, and the potential for stress and harm to the pod and J50 associated with the capture. However, NOAA points to the successful capture, treatment and release of another SRKW, Springer a few years ago. This whale unlike J50, did not have a strong attachment to the pod, and yet was successfully reintroduced, so there appears to be some prospect that J 50 can do the same.
- NOAA has been thinking about this for some time and have identified the appropriate equipment to facilitate the capture.
- In terms of next steps – NOAA and Pacific will reach out to vets to confirm whether capture and treatment is a good course of action at this point. Also they will reach out to "science and ecology" experts outside NOAA and DFO for advice. Presumably when this is done they will finalize their advice on approach.

From: Scott, Paul G
Sent: September 6, 2018 9:03 AM
To: Nesseth, Megan
Subject: FW: J 50 Update

From: Scott, Paul G
Sent: Wednesday, September 5, 2018 6:32 PM
To: Lapointe, Sylvie <Sylvie.Lapointe@dfo-mpo.gc.ca>; Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>; Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>
Subject: J 50 Update

Hello,

Just got off the phone with Neil who provided an debrief of a call Pacific had this afternoon on J 50. He advised as follows:

- There is now a general consensus among DFO (Pacific) and NOAA that J 50 continues to deteriorate, and in particular has shown significant decline over the last month or so (see email string and pictures below). They are concerned that she may die fairly soon and consequently, both NOAA and Pacific are leaning toward a recommendation of capturing J 50, providing her with a health assessment, treatment, and hopefully a return to the pod. Essentially Pacific now feels that such measures are justified in a last ditch attempt to save the whale.
- Neil pointed out the risks: death while in captivity, potential for long term captivity, the possibility that she may need to be euthanized, and the potential for stress and harm to the pod and J 50 associated with the

capture However, NOAA points to the successful capture, treatment and release of another SRKW, Springer a few years ago This whale unlike J 50, did not have a strong attachment to the pod, and yet was successfully reintroduced so there appears to be some prospect that J 50 can do the same.

- Neil indicated that NOAA has been thinking about this for some time and have identified the appropriate equipment to facilitate the capture [REDACTED]
- In terms of next steps – NOAA and Pacific will reach out to vets to confirm whether capture and treatment is a good course of action at this point Also they will reach out to “science and ecology” experts outside NOAA and DFO for advice Presumably when this is done they will finalize their advice on approach
- Apparently NOAA intends to do some public communications tomorrow about J 50 condition and will refer to the pictures below as evidence of her deterioration

Paul

s.19(1)

s.21(1)(a)

s.21(1)(b)

From: Davis, Neil

Sent: Wednesday, September 5, 2018 5 40 PM

To: Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>

Subject: FW J50 aerial images

From: Cottrell, Paul

Sent: Wednesday, September 5, 2018 11 25 AM

To: Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>, Jenkins, Randy <Randy.Jenkins@dfo-mpo.gc.ca>, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>, Harber, Lee <Lee.Harber@dfo-mpo.gc.ca>

Subject: FW J50 aerial images

This just in on the photogrammetry They should have the photogrammetry measurements analyzed and quantitative results of any changes in J-50's body condition by tomorrow It does appear that her body condition has deteriorated significantly since early August from the pictures

Cheers,

Paul

From: John Durban - NOAA Federal [[mailto:\[REDACTED\]](mailto:[REDACTED])]

Sent: September-05-18 8:18 AM

To: Kristin Wilkinson - NOAA Federal

Cc: Katy Foster; brad hanson; Holly Fearnbach; [REDACTED] Teri Rowles; Lynne Barre; Marty Haulena, Deborah Giles, Michael Milstein - NOAA Federal; Scott Rumsey - NOAA Federal; Mark Strom - NOAA Federal; Ruth Howell - NOAA Federal; Mike Ford; Jim Milbury - NOAA Federal; Barry Thom - NOAA Federal; Thornton, Sheila; Chris Yates - NOAA Federal; Forbes Darby - NOAA Federal; Kate Naughten - NOAA Federal; John Ewald - NOAA Federal; Becker, Penny A (DFW); Cottrell, Paul; Teresa Mongillo; Amilee Wilson - NOAA Federal; Jennifer Ise - NOAA Federal; Emma Htun - NOAA Federal; Samantha Guidon - NOAA Federal; Katherine Brogan - NOAA Federal; Jennie Lyons; Deborah Fauquier; jeff foster; Sarah Mesnick; Lisa Ballance; Kevin Werner - NOAA Federal; Joe Gaydos; Hendrik Nollens; Jim McBain; Kimball, Taylor P (DFW); Sarah Wilkin - NOAA Federal; James Hackett - NOAA Federal; Penny Swanson - NOAA Federal; Rick Goetz - NOAA Federal; Barry Berejikian; Rebecca Ferro - NOAA Federal;

Subject: J50 aerial images

Dear Colleagues,

This week we ([SR3](#) and [NOAA Southwest Fisheries Science Center](#)) resumed our aerial photogrammetry monitoring of Southern Resident killer whales, to extend a 10-year time series of quantitative data on body condition and growth.

We were lucky that our first day on the water coincided with the presence of J-pod and most of L-pod around San Juan Island, and notably the reappearance of J50 with her matriline. We wanted to share with you the attached aerial images of J50: one showing the change in her condition since August, and the other showing her swimming alongside her mother (J16). We believe these images display further deterioration in her body condition since we last imaged her in early August. The "peanut head" appearance caused by loss of tissue around and behind the cranium is clearly displayed. Please don't distribute these images at this point, as we plan to release them with appropriate context about our collaborative long-term study.

As we settle into our field routine in the next day or so, Holly will make a our standard series of morphometric measurements from these images, and update the group on quantitative comparison of J50's condition over time. But, we think the images themselves are informative, and very concerning.

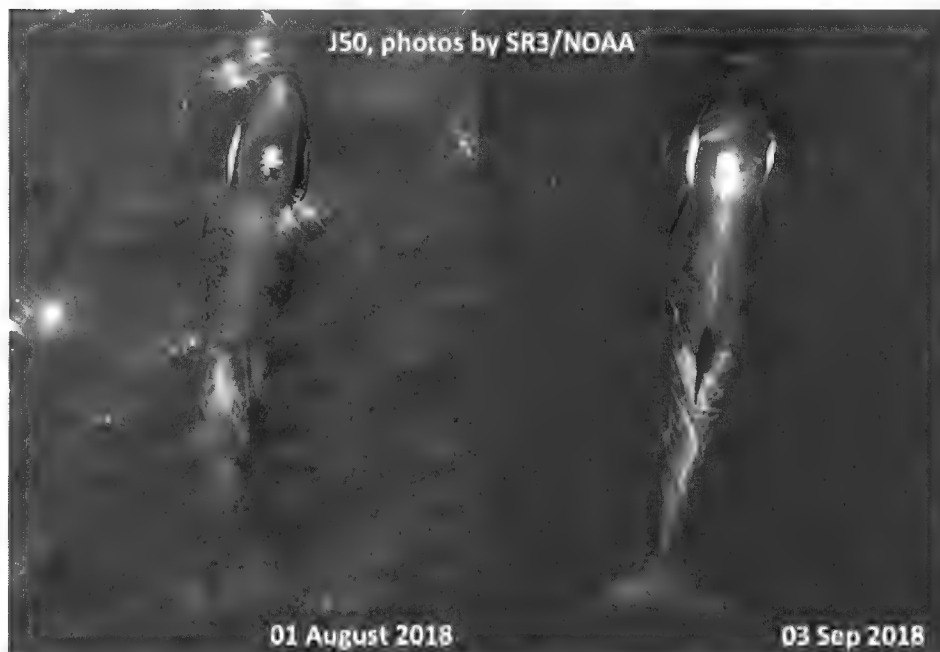
We will be here until the end of the month, with a goal of collecting the best images we can for photogrammetry measurements of all SRKWs, if possible. On Monday we were able to image 30+ individuals, so we are off to a good start.

Please let me or Holly know if you have any questions,

John Durban [REDACTED] cell [REDACTED]
Holly Fearnbach [REDACTED] cell [REDACTED]

John W. Durban, Ph.D.

Leader, Cetacean Health and Life History Program
NOAA Southwest Fisheries Science Center
8901 La Jolla Shores Drive, La Jolla, CA 92037
Tel. 858-334-2866





Pages 474 to / à 475
are not relevant
sont non pertinentes

Barton, Meagan

From: Davis, Neil
Sent: September-07-18 11.50 AM
To: Thomson, Andrew
Cc: Carlson, Mike, Higgins, Linda, Gallant, Nicole
Subject: RE J50 Collaboration

Will do Mike, Linda, Nicole, which of you will be point person for C&P on this that I can work with?

From: Thomson, Andrew
Sent: Friday, September 7, 2018 11 09 AM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Cc: Carlson, Mike <Mike.Carlson@dfo-mpo.gc.ca>, Higgins, Linda <Linda.Higgins@dfo-mpo.gc.ca>; Gallant, Nicole <Nicole.Gallant@dfo-mpo.gc.ca>
Subject: FW J50 Collaboration

Neil

We need to start getting the permits ready to go C&P was going to contact CBSA about Foreign Vessel permits, not sure what the response was

Andrew J L Thomson

Regional Director | Directeur Régionale
 Fisheries Management Branch | Direction de la gestion des pêches

From: Kristin Wilkinson - NOAA Federal [mailto: [REDACTED]]
Sent: Thursday, September 6, 2018 9 09 PM
To: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Cc: Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>, Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>, Lynne Barre [REDACTED], Teri Rowles [REDACTED], Sarah Wilkin - NOAA Federal [REDACTED], Chris Yates - NOAA Federal [REDACTED]
Subject: J50 Collaboration

Hi Andrew,

Lynne shared your contact information with me earlier today and I wanted to reach out to introduce myself I am the Regional Stranding Coordinator for NOAA Fisheries and work for Lynne Barre and Chris Yates who you spoke with earlier today. I have been taking the lead on the emergency response efforts for J50 and am currently working on the intervention plan and resources document. Our agency has not made a decision to intervene but I have been tasked with outlining a very detailed plan if an emergency situation were to occur (live stranding, for example)

I do have a few questions for you,

1. Lynne mentioned DFO may have resources to help support our efforts if intervention was deemed appropriate? If so, a list of personnel, vessels, veterinarians, biologists, etc. would be extremely helpful The plan currently covers capture, physical health assessment, transport, short-term rehabilitation and release. It also includes a staffing amendment and resources throughout. Once I have a more final version of this document it will be shared with DFO.

2 Would you recommend we start the vessel clearance process for the vessels we have identified for capture and transport? Do personnel also need to be cleared and named or is a general list acceptable?

3. If we were to intervene in Canada and/or release her in Canada what paperwork would need to be in order for CITES and for her physical clearance? I have included Sarah Wilkin, our National Stranding Coordinator here since she is most familiar with what CITES permits we already have in place for live animals

Please do not hesitate to reach out if I can be of any help We are grateful for your partnership on this challenging case.

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon


206-526-4747 Office

 Cell



Barton, Meagan

From: Kristin Wilkinson - NO. (via Google Docs) <drive-shares-noreply@google.com>
Sent: September-07-18 5 01 PM
To: Thomson, Andrew
Cc: Cottrell, Paul, Thornton, Sheila
Subject: InterventionPlan_J50
Attachments: InterventionPlan_J50 docx

 has attached the following document

**InterventionPlan_J50**

Here is a draft of the intervention plan for J50 if the intervention criteria were to be met. The capture section is still under development by a member of the response team. We would consider a soft tail line, hoop net, or purse seine and will share that section of the plan with you when it is ready. Please keep this internal to DFO. An intervention decision has not been made, this is for planning purposes only. Thanks, Kristin

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Intervention Plan for J50

Capture

Goal: Collect J50 as safely as possible with an experienced team of personnel if the intervention criteria are met.

Coordinator: Kristin Wilkinson

Lead: Jeff and Katy Foster

s.19(1)

Resources Needed:

1. Updated capture plan
 - a. List of experienced personnel, which would include where they are based, estimated staff and travel costs, and their role in the capture.
 - b. Vessel resources and vessel drivers
 - i. Insert vessel and driver and staff on board
 - c. Other staff:
 - i. Observers
 1. Insert observer staff
 - ii. Documentation
 1. Insert documentation staff
 - iii. Veterinary
 1. Insert veterinary expertise
 - d. Capture Methods
 - i. Soft Tail Line: Primary use if J50 is severely compromised
 1. Personnel and resources required
 - ii. Hoop Net: Can be used if she is free swimming and active
 1. Personnel and resources required'
 2. Hoop Net ordered by Jeff Foster
 - iii. Purse Seine: May be higher risk for J50 and the personnel.
 1. Personnel and resources required
 - e. Sea World Resources
 - i. Bite block, scale, cetacean float jacket, handler drysuits These items will be brought with response personnel if an intervention was initiated.
 - f. Stretcher, Poles, Sling, and Cables
 - i. Currently being stored at the Friday Harbor Labs in an easily accessible location on the outer dock (48.544833, -123.012825). The gear is contained in shrink wrap and some tarps, but is otherwise ready to go (i.e., sling is attached and ready for lifting).
 - ii. The boating safety officer at the labs is Kristy Kull [REDACTED] and she would appreciate a heads up if any vessels are going to tie up to collect it.

- iii. Jen Olson is the point of contact for the safety lines that attach to the stretcher

Physical Health Assessment

Goal. Improve diagnoses of health status, potential pinpoint or rule out cause(s) or contributing factor(s) of malnutrition and continued decline, provide more advanced medical treatment.


Coordinator: Kristin Wilkinson

Health Assessment Lead: Dr. Hendrik Nollens and current consulting veterinarians - Dr. Marty Haulena and Dr. Joe Gaydos. Dr. Cynthia Smith, collaborating veterinarian.

Resources Needed:

1. Capture Team in Place and Available
2. Veterinary Team
 - A core team of husbandry staff with experience in killer whale stretching, restraint, medical procedures and transport would be provided by Sea World to augment the current veterinary team. <See Staffing Amendment>
 - Additional staff with more general cetacean handling experience would be required.
3. Physical Examination Goals
 - Procedure: <Need to insert hearing exam if available, unavailable 9/7-9/15>
 - Step One: Place J50 in the stretcher and weigh (priority #1)
 - Step Two: Place on foam in sternal recumbency
 - Step Three: Monitor respiratory rate, heart rate, and vocalizations
 - Step Four: Veterinary team collect blood for CBC/chem/fibrinogen panel and whole blood PCRs from fluke vein (priority #1)
 - Step Five: Collect blowhole swabs (priority #1)
 - Step Six: Place bite block
 - Step Seven: Start thoracic U/S (priority #1)
 - Step Eight: Perform gastroscopy (priority #2) and then collect gastric fluid sample (priority #3)
 - Step Nine: Lift, tuck right pectoral fin and roll into right lateral recumbency.
 - Option. Could roll into left lateral recumbency instead if indicated by the thoracic U/S
 - Step Ten: Perform abdominal and cardiac U/S, finish thoracic U/S (priority #1)
 - Step Eleven: Collect fecal sample (priority #1)
 - Step Twelve: Collect catheterized urine sample (priority #2)
 - Step Thirteen: Lift and place into sternal recumbency
 - Step Fourteen: Administer full dose of *Coveria* SQ (priority #1) and *Ivermectin* SQ (priority #1)
 - Step Fifteen: Start SQ fluids, using 4 setups with 14G needles, up to 12 liters (priority #2)
 - Step Sixteen: Attach d-tag
 - Release @ 1 hour or move to short-term rehabilitation

Goal	Lead Staff	Supplies Needed	Lab for Analysis
Blood sample	Veterinary Team	Available through SeaDoc, iSTAT available through	On board,

		Vancouver AQ	
Full physical exam (Weight, length, body measurements)	Veterinary Team	Tape measures, data sheets, etc.	NA
Auscultate and ECG	Veterinary Team	ECG machine, available through Vancouver AQ	On board
Ultrasound full body and echo if warranted	MMF?	Ultrasound equipment, available through Vancouver AQ	On board
Endoscope the upper GI tract for parasites, foreign body, lesions, food sample	Veterinary Team	Available through the Vancouver AQ	On board
Fecal sample	Sampling Team - Led by Brad?	Sampling supplies	Protocol in place
Secondary breath sample	Sampling Team - Led by Brad?	Sampling supplies	Protocol in place
Hearing Test	Dorian S. Houser, Ph.D. Director of Conservation and Biological Research San Diego, CA 92106  phone: 619-889-5170	Dorian and his equipment	Emailed 9/6/18 Out of the country 9/7-9/15 and unavailable 9/25-9/27 Travel covered
Provide fluids, nutrients, antibiotics and deworming treatment and other as needed or deemed warranted	Veterinary Team	Covenia Ivermectin Fluids need to be purchased	
Tag with D-tag when release	Brad Hanson		NA

4. Crane to Lift J50
 - Humpback Hauler, humpback@humpbackhauling.com, Mark Green 360-317-7433 or [REDACTED], Craig VanderYacht [REDACTED]
5. Appropriate Vessel for Physical Health Assessment <A separate vessel has been identified for the transport box, see below transport section>
 - Humpback Hauler, Based in Roche Harbor, stable 49' boat with outboard engines and shallow draft (can operate in 18" of water), quiet gas motors; on board fire pump to bring on salt water (or fresh if needed) and a generator can be supplied, the vessel can accommodate 50,000 lbs total (deck loaded) and the crane can lift 3000 lbs at a 10ft radius (less from a further distance – max reach of 25 ft). 1700 lbs should be doable. The crane is centrally located on the vessel so not ideal for picking up from a beach to place on deck. Could be used to place the whale from the water onto the deck or to hold her beside the vessel (at idle, no speed). Working deck space is 15ft 10" x 31 ft. They also have two 5ft gates on both sides that would allow working at water level while on board. In "cargo" mode, the vessel could accommodate 6 of our staff (other boats could merry up to the vessel as support and they have an excursion permit in hand from the USCG for up to 12 passengers on board). The response radius will depend on logistics at the time – unlikely to go too far south due to weather and stability (e.g., Port Angeles). Could potentially be underway in an hour – 10 knot boat. They have a support vessel (Narwhal) 30 knot boat that could be used for transporting gear and captain relief. They also have several small excavators that they could take on deck and use for a beach stranding. Would have to be a sandy beach (no rocks) but if they could get the fingertips in they could do this; an aerial/drone assessment would be helpful if the beach is unknown to them.
 - R/V Humpback daylight running time: [REDACTED] hr, R/V Humpback night time running time: [REDACTED] hr, M/V Narwhal: [REDACTED] hr, Daily excavator rate: [REDACTED]
6. Foam Padding
 - Thick foam padding will be required for the deck of the vessel as well as for the transport box.
 - Currently stored at SeaDoc on Orcas Island. Point of contact Joe Gaydos, [REDACTED] or [REDACTED]
7. Transport Box
 - See Transport section below
8. Release or move to Short-term care (See Sections Below)

Transport

Goal. Transport J50 in the transport box to Manchester

Coordinator: Kristin Wilkinson

Transport Lead: Eric Otjen

Resources Needed.

1. Transport Box
 - The transport box weighs 3,000 lbs.
 - The stretcher weighs 300 lbs.
 - The whale weighs ~ 1300 lbs
 - Each foot of water weighs 4,400 lbs. We would need at least 18" to 24" of water in the transport box
 - **Currently staged at Twin Bridges Marina 11071 Josh Green Lane, Mount Vernon, WA 98273**
 - Blackwater Marine, George Lulham, [REDACTED]
2. Transport staff
 - To be identified by SeaWorld <See staffing amendment below>
3. Transport escort
 - WDFW or OLE Enforcement vessel? <Requested 9/6/18>
 - Provide a vessel for staff to have a meal, use the restroom, take a break, etc.
4. Transport vessel
 - Humpback Hauler (see physical assessment section above for details)
 - Blackwater Marine
 - Where is your barge based? Seattle and Anacortes
 - Can you accommodate a 18' long, 5' wide, 5' tall transport box on the barge? Yes
 - Can you accommodate the weight of 14,000 lbs.? And can you accommodate a live load? Yes and Yes
 - Can you allow our staff to be on board with the transport box? Yes
 - Can you take your barge to the San Juan Islands? Yes, also have a third facility in Anacortes, with night watchman, secure location
 - Do you have a crane on board? If so, what is the weight limit? Yes, 25 tons/50,000 lbs
 - Can the transport box be removed from your barge using your crane onto land with a weight of 7,000 lbs.? Yes
 - What is the daily operational cost to use this vessel? [REDACTED] per day
 - How much lead time do you need to get this vessel underway? Ideally at least one day, but if already active in a project, can be underway in a matter of hours
 - How long would it take you to get up to San Juan Island? From Anacortes to Friday Harbor: 4 hours Out of Seattle: 17 hours
 - How long would it take you to get from San Juan Island to Manchester? About the same: 17 hours
5. Offloading J50
 - We have two possibilities to land the whale at NOAA Manchester.
 - Bring the whale to the EPA pier where our net pens are located and barge crane it onto our NOAA trailer then driving it to the pool location approximately 3000 feet from the pier.
 - Bring the whale to the Navy launch crane it onto our NOAA trailer and then transport it to the pool location approximately 3/4 mile from the launch.

- Both locations will stay on Federal land EPA, Navy, and NOAA during the transport.

Rehabilitation

Goal: Release and reintroduction to her pod

Coordinator: Kristin Wilkinson

Lead: Dr. Hendrik Nollens, Dr. Marty Haulena, and Dr. Joe Gaydos

Resources Needed:

Rehabilitation veterinary and husbandry staff

- Sea World has offered 6-8 vet and husbandry staff for 4 weeks to oversee this aspect of operations. See the staffing amendment attached to this document.

Husbandry Supplies

- Supplies would be provided by Sea World during the duration of care.
- Items could be shipped from Sea World to Manchester as rehabilitation progresses and her needs change.
- More readily available veterinary supplies can be provided by consulting veterinarians.

Temporary pool

- A temporary pool filled with seawater could be utilized for 1-2 weeks while she is stabilized. Then she could be moved into a sea pen. This pool is currently staged at Manchester:
<http://www.royalswimmingpools.com/1840-Oval-54-Matrix-Above-Ground-Pool-Kit.html> 18'x40' oval; 52" deep.
- NOAA Manchester is an available location for this. They do have access to sea water and have the appropriate water filtration and disposal already in place. They have identified locations that would work for a 30' pool, unfortunately they have no indoor locations that would work for that size of a pool. The best they could offer for an inside structure is a farm-tek fabric type building that measurement 24' x 50'. Both the outside and inside areas could be readied for a tank with a little effort.

Net Pen

- NOAA Manchester: The Navy has offered up the use of a 40x40 net pen free of charge to this effort, NOAA has a 40x40 net pen webbing that was used for Springer (photo in Google Drive). The net pen needs \$200 of repairs and NOAA Manchester staff labor would need to be covered for this work. There is no cost for the Navy to deploy the net pen but NOAA Manchester staff would need to help get it deployed. Net weights are available at NOAA Manchester for our use. The area of Clam Bay is in federal waters and for the most part is protected, there is a 200 ft. keep back sign that is posted with other keep out government signage. We would likely need to employ a security guard 24/7 at this location but the land based side is secured. They need 2-3 days lead time. This location is available to us now through **mid to late October**. After this time there is a substantial construction project with pile driving.
- Staff Assistance at Manchester:
 - Penny Swanson, [REDACTED] <Inform J50 coming into care>
 - Barry Berejikian, [REDACTED] <Inform J50 coming into care>
 - Rick Goetz, [REDACTED]

- James Hackett, [REDACTED] <Provide notification of J50 coming into care immediately>

Food Source

- NOAA Manchester has 250 Chinook salmon in culture, but they are still fairly small (~700 g each) and intended for experiments. We may be able to spare 50. The hatcheries in the region are full of Chinook now, but their condition would be less than ideal. Barry Berejikian, Supervisory Research Fishery Biologist
- Hatcheries

Heavy Equipment

- Forklift on site that can lift 5,000 lbs.
- An initial crane estimate is [REDACTED] (provided by Barry). Western Crane setup and mob is \$[REDACTED] then [REDACTED] per hour, overtime is time & 1/2/hr. [REDACTED] Operations Manager, Western Crane, Inc., P.O. Box 68068 Seatac, WA 98168-0068, Office/Yard: 7245 W Marginal Way SW, South Bay #2, Seattle, WA 98106, 206-242-9900, operations@westerncrane.com

Security

- NOAA and Navy Security Clearances will be required
- Foreign National clearance will be required for those who are not U.S. citizens
- NOAA staff can make daily requests for access or can be given access cards
- Delta Security was hired previously for Springer

Lodging

- Comfort Inn in Port Orchard - 15 minutes away

Release

Goal: To rehabilitate and release her with reintroduction to her pod.

Coordinator: Kristin Wilkinson

Lead: NOAA Fisheries - West Coast Region and HQ

NOAA Fisheries has developed Final policies and best practices : marine mammal stranding response, rehabilitation, and release : standards for release that can be viewed at:

<https://repository.library.noaa.gov/view/noaa/14917>

Release requirement: D-tag upon release, requested by MMHSRP

Staffing Amendment

Staffing lists requested from SeaDoc, Vancouver Aquarium, NMMF on 9/6/18

SeaWorld

Capture & Health Assessment team		Rehabilitation team	
	Position title		Position title
Primary		Primary	
Eric Otjen	Manager, Animal Rescue & Transports, SeaWorld San Diego	Eric Otjen	Manager, Animal Rescue & Transports, SeaWorld San Diego
Jon Peterson	Manager, Animal Rescue & Transports, SeaWorld Orlando	Jon Peterson	Manager, Animal Rescue & Transports, SeaWorld Orlando
Julie Sigman	Killer whale manager, SeaWorld San Antonio	Julie Sigman	Killer whale manager, SeaWorld San Antonio
Mike Glenn	Sr Animal Care Specialist I, SeaWorld San Diego	Dr Kristi Burtis	Supervisor, Orca Encounter SeaWorld San Diego
Secondary			
Jody Westberg	Supervisor, Animal Rescue SeaWorld San Diego	Jody Westberg	Supervisor, Animal Rescue SeaWorld San Diego
Dr Kristi Burtis	Supervisor, Orca Encounter SeaWorld San Diego	Mark Bressler	Sr Animal Care Specialist I, SeaWorld San Diego
Mark Bressler	Sr Animal Care Specialist I, SeaWorld San Diego	Rebecca Downey	Sr Animal Care Specialist I, SeaWorld Orlando
Rebecca Downey	Sr Animal Care Specialist I, SeaWorld Orlando	Mike Glenn	Sr Animal Care Specialist I, SeaWorld San Diego

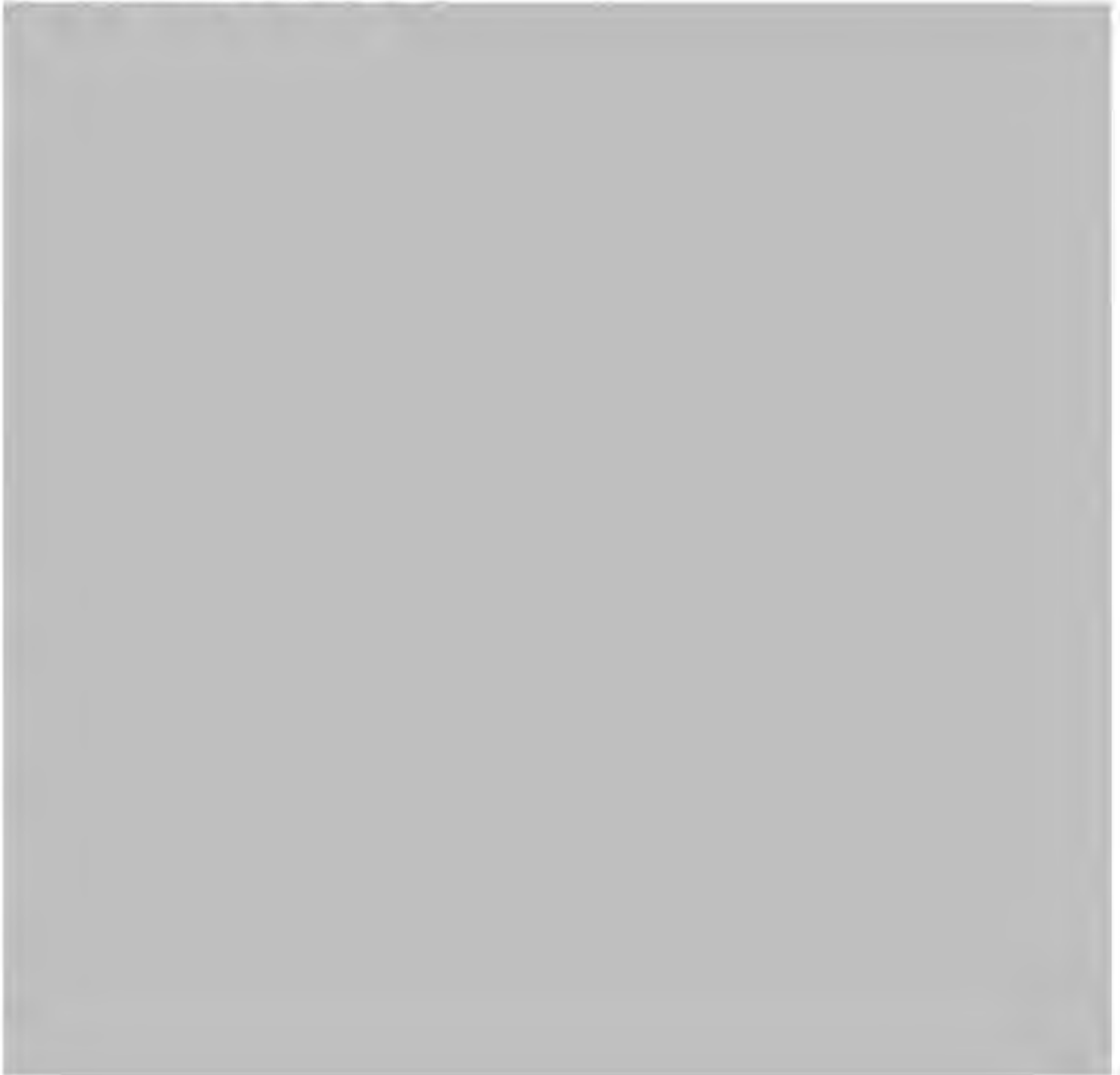
Vancouver Aquarium Cetacean Expert Personnel

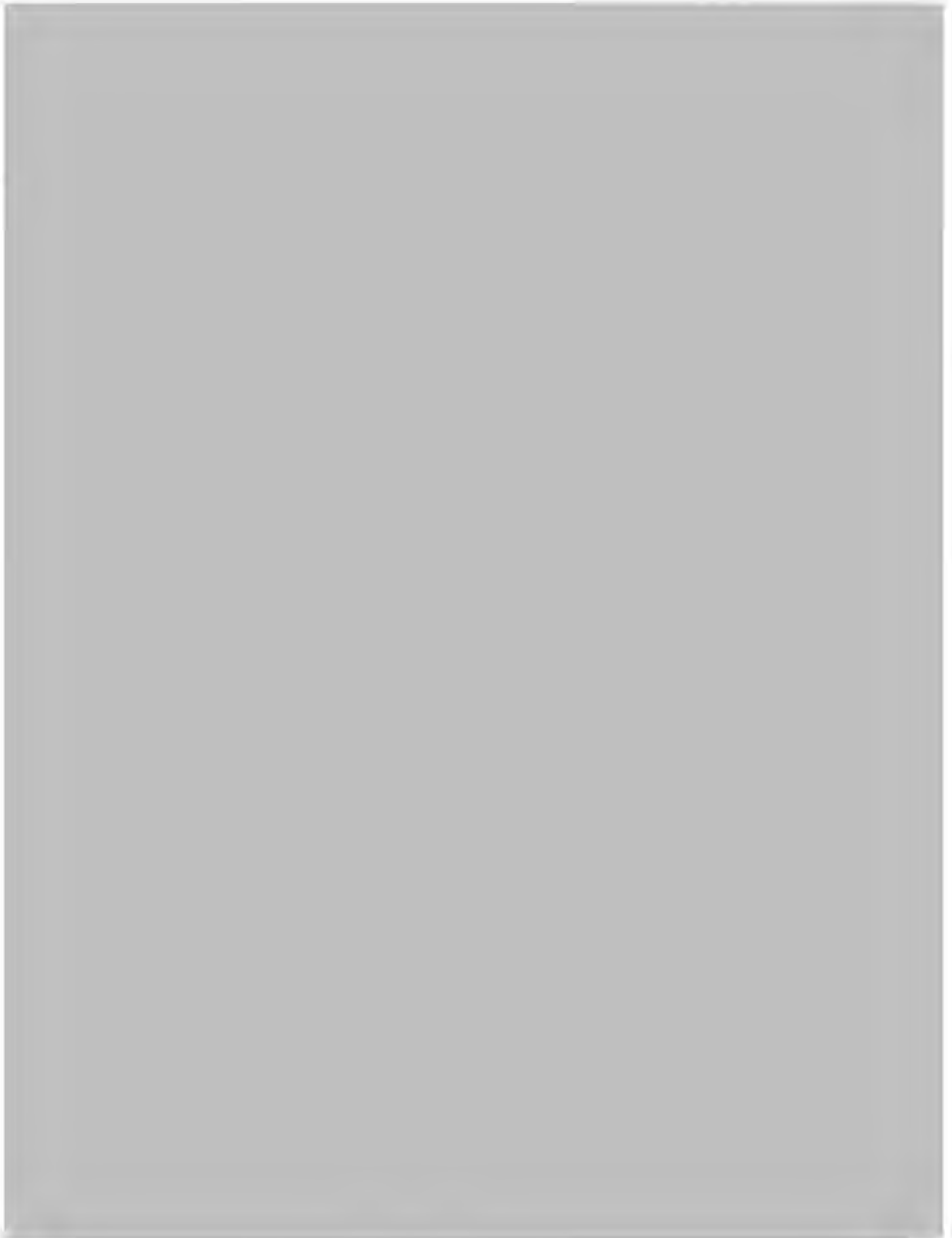
Veterinary Staff 604-659-3567

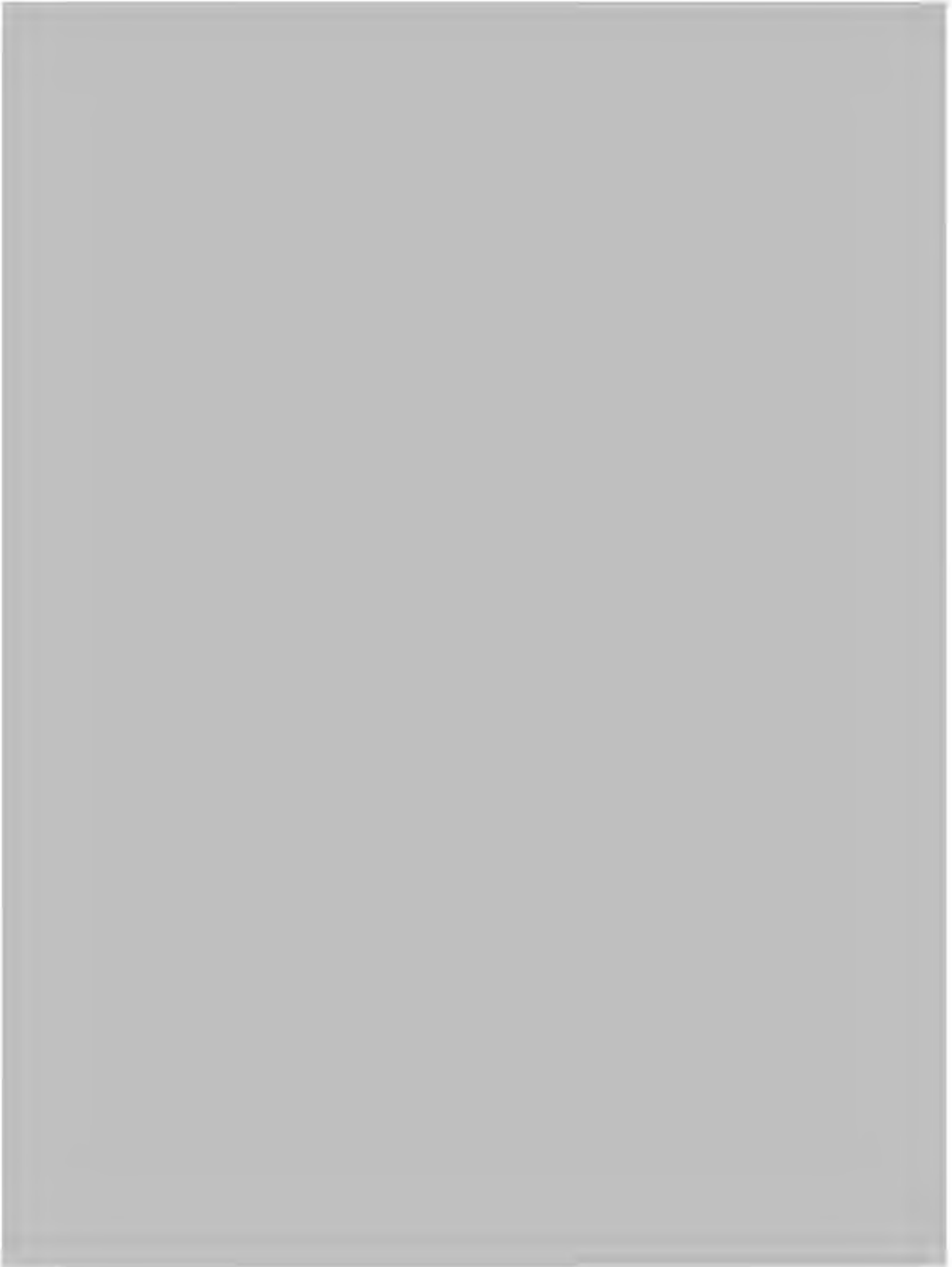
Martin Haulena DVM, MSc, DACZM

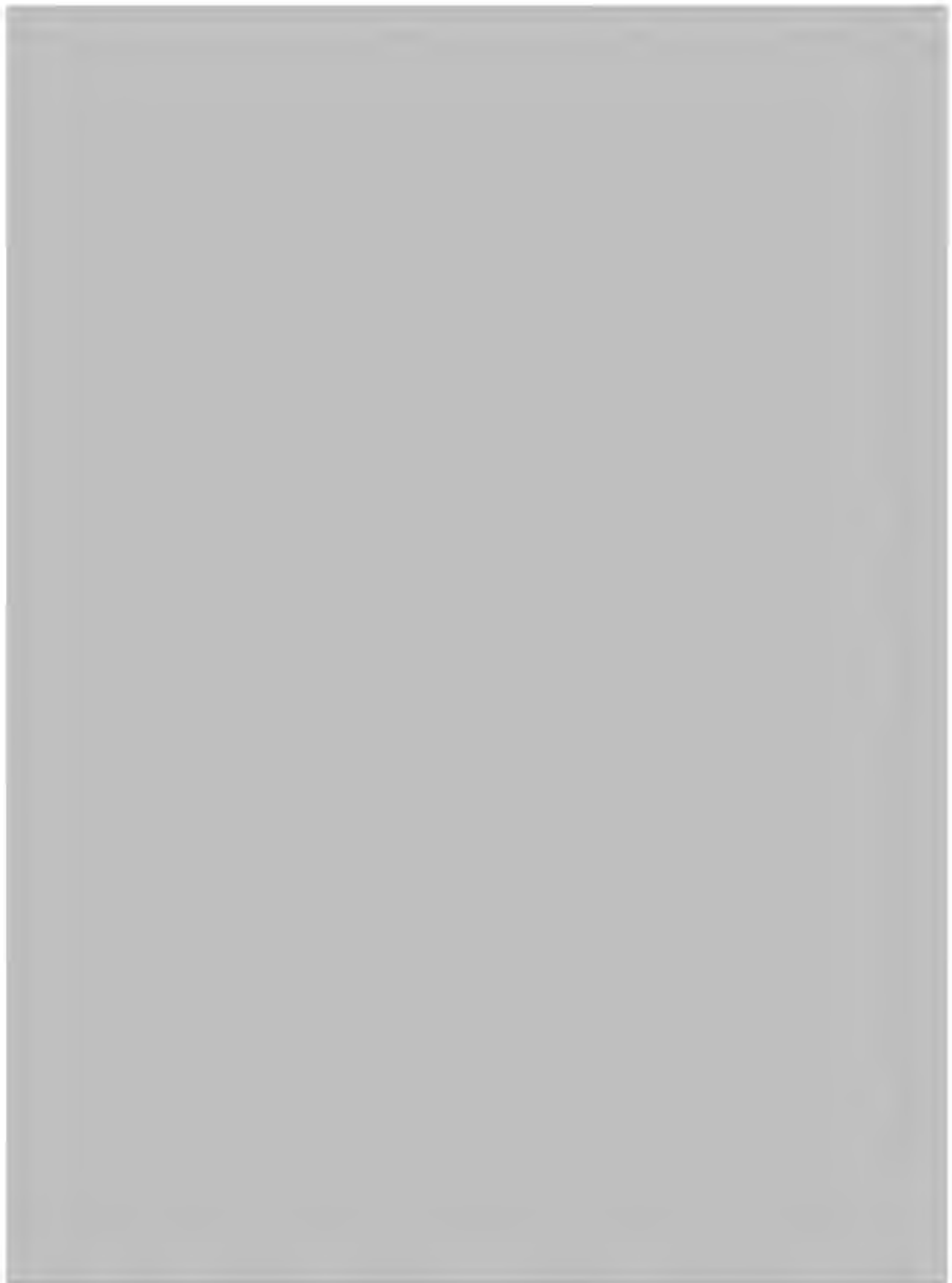


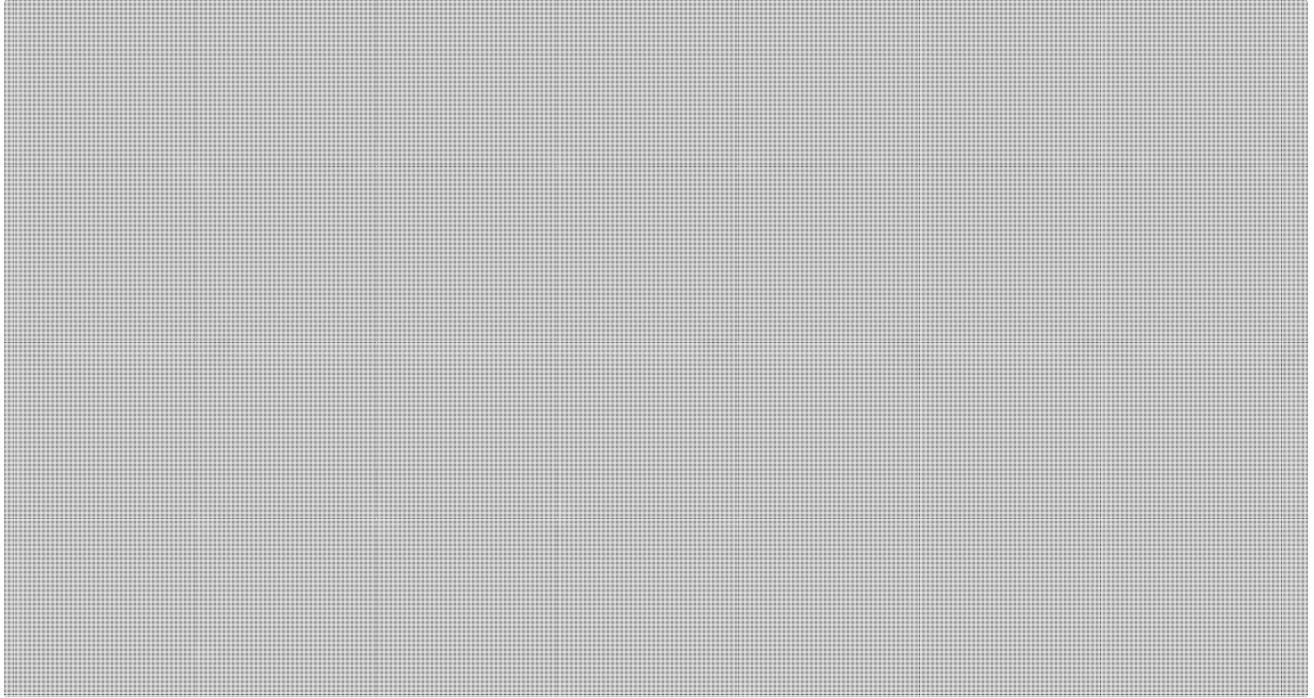
Animal Husbandry and Transport











Girouard, Louise

From: Forbes Darby - NOAA Federal <[REDACTED]>
Sent: Saturday, September 8, 2018 5:21 PM
To: Kurt Russo
Cc: [REDACTED]
 Deborah Giles, PhD, [REDACTED]
 [REDACTED] Katy Foster, [REDACTED]
 [REDACTED] Jim McBain, RHQ - Media PAC, Girouard, Louise,
 Malikian, Janine, Michael Mountain, Sloan, Lara, Amilee Wilson - NOAA Federal, Ruth
 Howell - NOAA Federal, Sarah Mesnick - NOAA Federal, Michael Milstein - NOAA
 Federal, Jim Milbury - NOAA Federal
Subject: J50/Scarlet Communications Update 9/8

Good afternoon,
 Just an update that we posted to Facebook and our website just now. You can see that post below.

September 8: Response teams caught up to J Pod Friday (9/7) off the south end of San Juan Island, and found J50 lagging a half-mile to a mile behind the rest of her family group at times. Veterinarian observations do not indicate J-50's body condition is improving. Unfortunately the team did not succeed yesterday in providing a dose of dewormer, but they hope for favorable conditions today to try again. Concern for J50 is rapidly growing. We are working with our Canadian counterparts at Fisheries and Oceans Canada (DFO) to carefully evaluate options. Our highest priorities are to do all we can to ensure J50 remains a contributing part of the Southern Resident killer whale population and to prevent any harm to her and her family under any potential response scenario That is the bottom line.

--

Forbes Darby
 Communication Program Manager
 NOAA Fisheries Northwest Fisheries Science Center
 2725 Montlake Blvd E
 Seattle, WA 98112
 Office 206-302-2474
 Cell [REDACTED]

Girouard, Louise

From: Michael Milstein - NOAA Federal <[REDACTED]>
Sent: Saturday, September 8, 2018 4:34 PM
To: Girouard, Louise
Cc: Sloan, Lara, Malikian, Janine, Jim Milbury, Ruth Howell - NOAA Federal; Forbes Darby - NOAA Federal
Subject: Re: Saturday update

We have finally posted. Sorry for the hangup, thanks for the help

On Sat, Sep 8, 2018 at 11:09 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:
 Perfect. Thank you!

L

From: Michael Milstein - NOAA Federal
Sent: Saturday, September 8, 2018 11:08 AM
To: Girouard, Louise
Cc: Sloan, Lara; Malikian, Janine; Jim Milbury; Ruth Howell - NOAA Federal; Forbes Darby - NOAA Federal
Subject: Re: Saturday update

Ok, Louise, like this? This would be more objective. I hope it's ok to say "new" observations, just to indicate that this is something we have not reported before.

Thanks for the input.

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We all are growing increasingly concerned about J50, and we understand you want to know where we go from here. We are working with our Canadian counterparts at Fisheries and Oceans Canada (DFO) to carefully evaluate options and will update you as soon as we can. Our highest priorities are to do all we can to ensure J50 remains a contributing part of the Southern Resident killer whale population and to prevent any harm to her and her family under any potential response scenario. That is the bottom line. Please continue to let us know what you think, and we will continue to give you the latest. Find more information at bit.ly/NOAAJ50J35.

On Sat, Sep 8, 2018 at 11:00 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:
 Hi Michael,

A consideration from our officials.

Not sure a field visual assessment of body condition changes over a week can be that quantitative, it is pretty difficult to assess in the field without using the photogrammetry approach where you compare

photographs and body measurements between time periods. We should maybe say: recent veterinarian observations do not indicate J-50's body condition is improving.

Here is a rough draft of the tweet we would issue:

Our partners observed #J50 yesterday in US waters & are concerned that her health has not improved. Attempts to medicate yesterday were not successful but will try again when conditions allow. We are continuing to provide support & advice on next steps

Appreciate your help

L

From: Michael Milstein - NOAA Federal
Sent: Saturday, September 8, 2018 9:18 AM
To: Girouard, Louise
Cc: Sloan, Lara; Malikian, Janine; Jim Milbury; Ruth Howell - NOAA Federal; Forbes Darby - NOAA Federal
Subject: Re: Saturday update

Well, I think we may have broken a record here, in that the update has been cleared.

I think we will still wait a bit until late morning, just to see if there is any word from the field

Or if you have a preference as to time, let us know

Thanks again for your support and understanding as we sort our way through

Best,
Michael

On Sat, Sep 8, 2018 at 8:51 AM, Michael Milstein - NOAA Federal [REDACTED] wrote:
Hi Louise,

Here is the draft of our statement as it stands now. Still undergoing review, however Please let us know of any changes or concerns. We would probably look to put this out late this morning or early afternoon if we get all approvals. I will let you know when we do so.

#J50 Update (9/8) Response teams caught up to J Pod Friday off the south end of San Juan Island, and found J50 lagging a half-mile to a mile behind the rest of her family group at times. She struck the veterinarians as thinner than she was in late August, and they didn't think she could get much thinner then. The members of the team have never seen a whale this thin survive for so long. Unfortunately they did not succeed yesterday in providing a dose of dewormer, but they hope for favorable conditions today. We all are growing increasingly concerned about J50, and we understand you want to know where we go from here. We are working with our Canadian counterparts at Fisheries and Oceans Canada (DFO) to carefully evaluate options and will update you as soon as we can. Our highest priorities are to do all we can to ensure J50 remains a contributing part of the Southern Resident killer whale population and to prevent any harm to her and her family under any potential response scenario. That is the bottom line. Please

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Thanks for the update Michael. It is so unfortunate that attempts were not successful. We would also want to echo your statement this morning via Twitter and continue to send people to your site for updates and new visuals.

If you could send us a draft of your statement and consider referencing that you are working with DFO on next steps, we would do so as well.

Thank you,

L

From: Michael Milstein - NOAA Federal

Sent: Saturday, September 8, 2018 6:42 AM

To: Sloan, Lara; Girouard, Louise; Malikian, Janine

Cc: Jim Milbury; Ruth Howell - NOAA Federal; Forbes Darby - NOAA Federal

Subject: Saturday update

Hi colleagues,

An update for you. The team had a debrief call last night. As you saw, they got close to J50 again yesterday and had two attempts with the dewormer/anti-parasitic but neither one succeeded. The team remarked that J50 looked even thinner than the last time they saw her, and at that time they didn't think she could get much thinner.

There was some discussion of abnormal behavior, but that did not seem definitive.

We are planning two public meetings, one in Friday Harbor on Saturday (one week from today) and in Seattle on Sunday. I have also had some suggestions for some kind of online livestream discussion for those who cannot make the meetings, but we are not pursuing that at this point.

We do think it is important to advise the public that there is increasing concern about J50's condition, so we will work on a social media update for later today reporting on yesterday's sighting. We may signal that we are considering next steps, but that our priorities are to maintain J50 as part of the population and to avoid any harm to the rest of the whales.

Please let us know what you are planning on your end.

Best,
Michael

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell [REDACTED]
[REDACTED]



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To: Sloan, Lara; Girouard, Louise; Malikian, Janine
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Please let us know what you are planning on your end.

Best,
Michael

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Michael Milstein

Public Affairs Officer

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Office: 503-231-6268

Cell: [REDACTED]

[REDACTED]



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Michael Milstein

Public Affairs Officer

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[REDACTED]



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--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell: [REDACTED]

[REDACTED]

Barton, Meagan

From: Reid, Rebecca
Sent: September-08-18 10 55 AM
To: Thomson, Andrew, Cottrell, Paul, Girouard, Louise, Sloan, Lara
Cc: Lowe, Carmel, Malikian, Janine, Davis, Neil, Webb, Cheryl, Anderson, Laura
Subject: Re FOR URGENT COMMENT NOAA J50 Saturday update

Agreed

Sent from my BlackBerry 10 smartphone on the Rogers network

From: Thomson, Andrew
Sent: Saturday, September 8, 2018 10:50 AM
To: Cottrell, Paul; Girouard, Louise; Sloan, Lara
Cc: Lowe, Carmel; Malikian, Janine; Davis, Neil; Webb, Cheryl; Reid, Rebecca; Anderson, Laura
Subject: Re: FOR URGENT COMMENT : NOAA J50 Saturday update

Sounds better.

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches
Pacific Region | Région du Pacifique
Fisheries & Oceans Canada | Pêches et Océans Canada

Suite 200 – 401 Burrard St
Vancouver, BC, Canada V6C 3S4
andrew.thomson@dfo-mpo.gc.ca
Telephone | Téléphone 604.666.0751
Facsimile | Télécopieur 250.666.8069
Government of Canada | Gouvernement du Canada

From: Cottrell, Paul
Sent: Saturday, September 8, 2018 10:44 AM
To: Girouard, Louise; Thomson, Andrew; Sloan, Lara
Cc: Lowe, Carmel; Malikian, Janine; Davis, Neil; Webb, Cheryl; Reid, Rebecca; Anderson, Laura
Subject: Re: FOR URGENT COMMENT : NOAA J50 Saturday update

Hi Louise,



Cheers,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Girouard, Louise
Sent: Saturday, September 8, 2018 10:31 AM
To: Cottrell, Paul; Thomson, Andrew; Sloan, Lara
Cc: Lowe, Carmel; Malikian, Janine; Davis, Neil; Webb, Cheryl; Reid, Rebecca; Anderson, Laura

Subject: Re: FOR URGENT COMMENT - NOAA J50 Saturday update

Hey Paul\Andy

That's is good Don't know why I thought J50 was in Canadian waters yesterday ..

Can you please quickly review NOAA proposed statement and indicate if you have any concerns. They are waiting for our comments to issue We would then send up to NHQ and issue tweets.

#J50

Update (9/8) Response teams caught up to J Pod Friday off the south end of San Juan Island, and found J50 lagging a half-mile to a mile behind the rest of her family group at times. She struck the veterinarians as thinner than she was in late August, and they didn't think she could get much thinner then. The members of the team have never seen a whale this thin survive for so long. Unfortunately they did not succeed yesterday in providing a dose of dewormer, but they hope for favorable conditions today We all are growing increasingly concerned about J50, and we understand you want to know where we go from here We are working with our Canadian counterparts at Fisheries and Oceans Canada (DFO) to carefully evaluate options and will update you as soon as we can Our highest priorities are to do all we can to ensure J50 remains a contributing part of the Southern Resident killer whale population and to prevent any harm to her and her family under any potential response scenario. That is the bottom line Please continue to let us know what you think, and we will continue to give you the latest. Find more information at [bit ly/NOAAJ50J35](http://bit.ly/NOAAJ50J35)

Thank you!

L

From: Cottrell, Paul
Sent: Saturday, September 8, 2018 10:21 AM
To: Girouard, Louise; Thomson, Andrew; Sloan, Lara
Cc: Lowe, Carmel; Malikian, Janine; Davis, Neil; Webb, Cheryl; Reid, Rebecca; Anderson, Laura
Subject: Re: Heads-up NOAA J50 Saturday update

Hi Louise,

I did not received an update of the NOAA activities yesterday in US waters so don't know which vets were present during the darting attempts I did not participate in a 9 pm call last night as I was not aware there was a call. Will touch base with Kristin to keep us in the loop regarding updates/calls

Cheers,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network

From: Girouard, Louise
Sent: Saturday, September 8, 2018 7:40 AM
To: Cottrell, Paul; Thomson, Andrew; Sloan, Lara
Cc: Lowe, Carmel; Malikian, Janine; Davis, Neil; Webb, Cheryl; Reid, Rebecca; Anderson, Laura
Subject: Heads-up NOAA J50 Saturday update

Good morning.

Please see below update on J50 sighting from yesterday and 2 failed attempts to administer dewormer .

They are planning an update via social media for today and might mention that they are considering next steps. Can someone send us details of our involvement from yesterday's activities We should issue tweets also.

Thanks.

s.19(1)

L

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Saturday, September 8, 2018 6:42 AM
To: Sloan, Lara; Girouard, Louise; Malikian, Janine
Cc: Jim Milbury; Ruth Howell - NOAA Federal; Forbes Darby - NOAA Federal
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An update for you The team had a debrief call last night As you saw, they got close to J50 again yesterday and had two attempts with the dewormer/anti-parasitic but neither one succeeded The team remarked that J50 looked even thinner than the last time they saw her, and at that time they didn't think she could get much thinner

There was some discussion of abnormal behavior, but that did not seem definitive.

We are planning two public meetings, one in Friday Harbor on Saturday (one week from today) and in Seattle on Sunday I have also had some suggestions for some kind of online livestream discussion for those who cannot make the meetings, but we are not pursuing that at this point

We do think it is important to advise the public that there is increasing concern about J50's condition, so we will work on a social media update for later today reporting on yesterday's sighting. We may signal that we are considering next steps, but that our priorities are to maintain J50 as part of the population and to avoid any harm to the rest of the whales.

Please let us know what you are planning on your end.

Best,
Michael

--

Michael Milstein
Public Affairs Officer
NOAA Fisheries
West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center
Office 503-231-6268
Cell [REDACTED]
[REDACTED]



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Barton, Meagan

From: Davis, Neil
Sent: September-08-18 9:02 PM
To: Cottrell, Paul; Thomson, Andrew; Kennedy, Eddy; Thornton, Sheila; Sloan, Lara; MacConnachie, Sean; Girouard, Louise; Webb, Cheryl; Cauffope, Genevieve; Gallant, Nicole; Lowe, Carmel
Subject: RE: New Meeting Location & Q&A

thanks Paul,

let's plan for a check in Monday morning before the 11 am review w NOAA to consolidate our views on this updated plan and confirm our Comms plans. I'll send out a mtg invite

Neil

From: Cottrell, Paul
Sent: September 8, 2018 4:40 PM
To: Davis, Neil; Thomson, Andrew; Kennedy, Eddy; Thornton, Sheila; Sloan, Lara; MacConnachie, Sean; Girouard, Louise; Webb, Cheryl; Cauffope, Genevieve; Gallant, Nicole; Lowe, Carmel
Subject: Fw: New Meeting Location & Q&A

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Cheers,
 Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Kristin Wilkinson - NOAA Federal [REDACTED]
Sent: Saturday, September 8, 2018 4:14 PM
To: Hendrik Nollens; Eric Otjen; Peterson, Jon; Joseph K. Gaydos; Jennifer Olson; Jenny Atkinson; Candice Emmons; brad.hanson; Deborah Giles, PhD; Katy Foster; Jeff Foster; Marty Haulena; John Durban - NOAA Federal; Holly Fearnbach; Taylor Shedd; Cottrell, Paul; Thornton, Sheila; Thomson, Andrew; Jim McBain; Russ Mullins; Greg Busch
Cc: Lynne Barre; Forbes Darby - NOAA Federal; Ruth Howell; Chris Yates - NOAA Federal; Michael Milstein - NOAA Federal
Subject: New Meeting Location & Q&A

Hello All -

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If you can't join us on Monday in person please call into 1-866-809-1655, passcode: 9887288

I have also attached the draft considerations to rescue, rehabilitate, release, and reunite J50. This is a draft for your review and we will discuss this in depth on Monday during our meeting. Please do not share this document outside of this group. This will be shared with the public and the media after our discussion and after your input or considerations are incorporated.

If you have any questions about this document please feel free to reach out to me, Lynne, Michael or Ruth - we are here for all of you at any time.

I look forward to seeing you on Monday and having a productive and collaborative discussion.

Kristin

On Fri, Sep 7, 2018 at 5:14 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hi Everyone -

If you can't join us on Monday in person please call into 1-866-809-1655, passcode: 9887288

Kristin

On Fri, Sep 7, 2018 at 2:18 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
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I am working on a conference line, I'll send that out later. We may not have a big speaker phone so it might be difficult to listen in.

Draft Agenda

Review and Discuss Intervention Q&A's (currently going through clearance, I will distribute to all of you later today or as soon as they are cleared)
Discuss on water operations and priorities
Discuss Intervention plan and roles/responsibilities

Thank you for all of your hard work, dedication, and participation up to this point. I look forward to seeing all of you and talking big picture and next steps!

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region - Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



NOAA FISHERIES
West Coast Region

--

Girouard, Louise

From: Girouard, Louise
Sent: Monday, September 10, 2018 8 19 PM
To: Michael Milstein - NOAA Federal, Sloan, Lara, Malikian, Janine, Forbes Darby - NOAA Federal, Jim Milbury, Ruth Howell - NOAA Federal
Subject: Re SR3 images

Thanks Michael.
Really appreciate it. Busy times. Understand.

L

From: Michael Milstein - NOAA Federal
Sent: Monday, September 10, 2018 7:59 PM
To: Girouard, Louise; Sloan, Lara; Malikian, Janine; Forbes Darby - NOAA Federal; Jim Milbury; Ruth Howell - NOAA Federal
Subject: Re: SR3 images

I sincerely hope I did not cause you problems by not sending sooner.

I do understand that there was a sighting of J16s today in the Strait of Georgia, and J50 was seen.

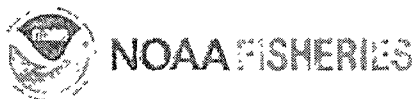
On Mon, Sep 10, 2018 at 7:55 PM, Michael Milstein - NOAA Federal <[REDACTED]> wrote:

Hello Louise, Lara, and Janine,

This is what I mentioned on our call, and I was supposed to send you earlier. I am sorry that I was so slow.

My apologies for not keeping you better updated. I am trying to remember too many things!

--
Michael Milstein
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Office: 503-231-6268
Cell. [REDACTED]
[REDACTED]



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Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Monday, September 10, 2018 7:55 PM
To: Girouard, Louise, Sloan, Lara, Malikian, Janine, Forbes Darby - NOAA Federal, Jim Milbury, Ruth Howell - NOAA Federal
Subject: SR3 images
Attachments: September_J50_Update.docx

Hello Louise, Lara, and Janine,

This is what I mentioned on our call, and I was supposed to send you earlier. I am sorry that I was so slow.

My apologies for not keeping you better updated. I am trying to remember too many things!

Monitoring the condition of an ailing Southern Resident killer whale, J50

There is a high level of concern about the health of a young Southern Resident killer whale, J50, who has been documented to be very poor body condition in recent months. Since early August NOAA Fisheries and response partners have implemented an medication strategy to try to administer antibiotics and dewormer. To assess the effectiveness of medication, and to monitor her general condition, SR3 has continued its collaboration with cetacean health experts at NOAA Southwest Fisheries Science Center to collect aerial images for ongoing photogrammetry research.

Working under a research permit from NOAA Fisheries, we have been able to fly a custom-made research drone high (typically >100ft) about the whales, to non-invasively collect images to measure the width (to infer fatness) and length (to monitor growth) of the whales. In particular, we have been able to document a dramatic decline in condition of J50 between 2017 and 2018, and a worrying continuation of this decline in the last month (see two recent photographs below). Of further concern, our quantitative measurements from these images indicate that her mother (J16) has also declined in condition over the last month, perhaps due to the burden of helping to catch and share food with J50.

Our collaborative research team will be working around the San Juan Islands for the remainder of September, with a primary aim of documenting the condition of all individuals in the population to add 10-year time series to assess changes in the nutritional health of Southern Resident killer whales. These data will support management actions aimed at maintaining an adequate food supply.

IMAGE 1. Aerial image of Southern Resident killer whale juvenile J50, taken on August 1st 2018 (left) and September 3rd 2018 (right) for comparison. She is in poor body condition revealing a very thin profile, and loss of fat behind the head creating a “peanut head” appearance that has become more prominent over the last month. Images by Holly Fearnbach (SR3) and John Durban (NOAA) obtained with an unmanned drone, piloted non-invasively >100ft above the whales under NMFS research permit #19091.

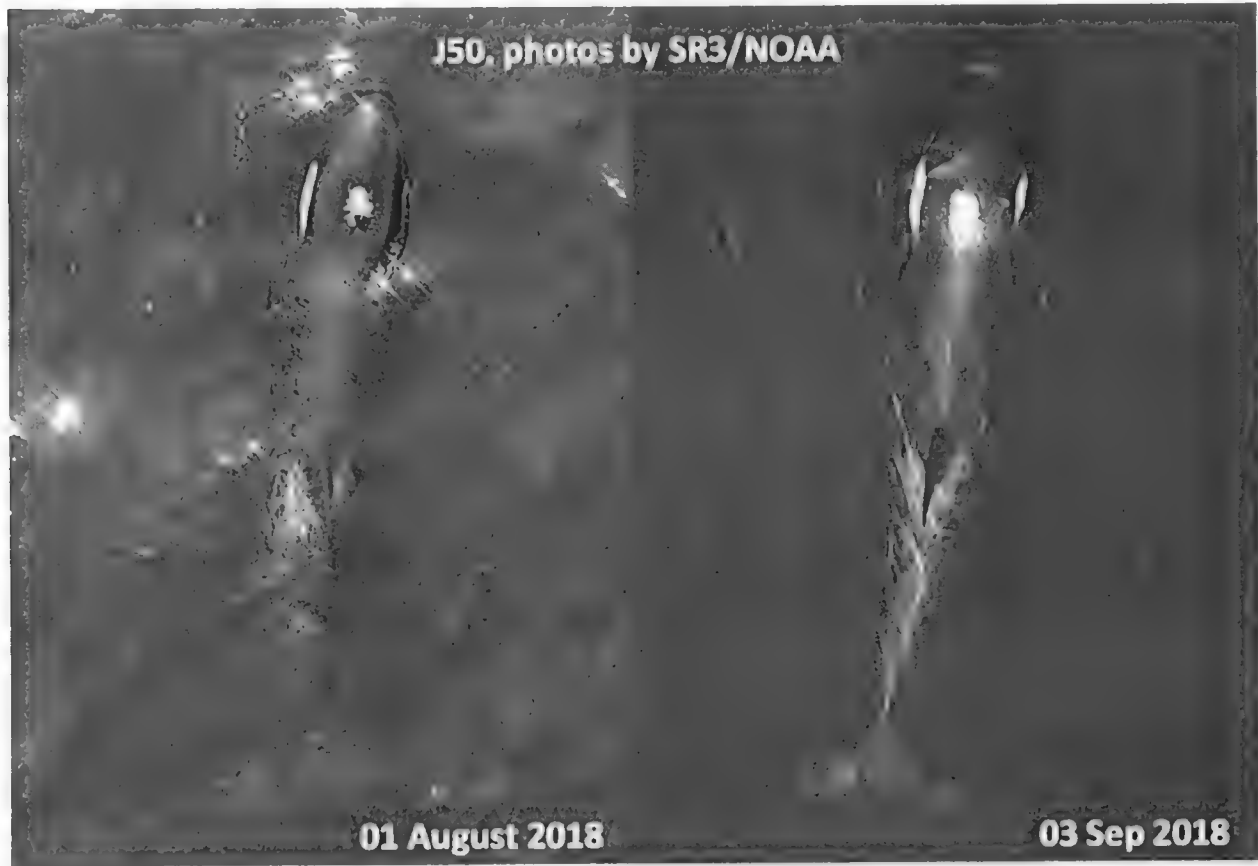


IMAGE 2. Aerial image of Southern Resident killer whale juvenile J50, swimming alongside her mother (J16) on September 3rd 2018 (right) for comparison. This highlights the small size and thin body profile of J50. Images by Holly Fearnbach (SR3) and John Durban (NOAA) obtained with an unmanned drone, piloted non-invasively >100ft above the whales under NMFS research permit #19091.



Barton, Meagan

From: Webb, Cheryl
Sent: September-10-18 8:42 AM
To: Reid, Rebecca; Fogliato, Cara
Cc: Thomson, Andrew; Barton, Meagan; Davis, Neil
Subject: FW: New Meeting Location & Q&A
Attachments: J50 Q&As_Considerations_NMFS WCR DRAFT 9-8-18_for partner review.docx

Categories: CC'ed messages

Cara, this is the update from Paul on Saturday. We have a call at 9am this morning to update on J50 and we will PIN Rebecca if there is anything breaking. Meagan is following up on the action plan

From: Cottrell, Paul
Sent: Saturday, September 8, 2018 4:41 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; MacConnachie, Sean <Sean.MacConnachie@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Webb, Cheryl <Cheryl.Webb@dfo-mpo.gc.ca>; Cauffope, Genevieve <Genevieve.Cauffope@dfo-mpo.gc.ca>; Gallant, Nicole <Nicole.Gallant@dfo-mpo.gc.ca>; Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>
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Kristin Wilkinson
NOAA Fisheries, Protection Resources Division
West Coast Region, Hatteras, Seattle
Regional Scientific Coordinator, Washington, NOAA
206.526.1477 Office
[REDACTED] Cell



NOAA FISHERIES
West Coast Region

DRAFT Q&As for Public:

Rescue, Rehabilitate, Release, and Reunite Scenario Considerations for J50

NOAA Fisheries overarching objectives are for J50 to remain in the wild, survive, and ultimately contribute to the recovery of the Southern Resident killer whale population, and to ensure that any actions taken do not negatively impact the wild population or its social structure. Our goal is for J50 to remain with her family, and we intend to intervene with a rescue only if a situation arises that warrants it, such as if she is separated from her pod, she strands, or exhibits behavior indicating that a rescue is the only remaining alternative available to further help her.

If rescuing J50 is the only option to help her, and such action would not cause harm to members of J Pod or the population, then our intent would be to temporarily place her in short-term captive care -- we have absolutely no intention of J50 permanently remaining in captivity, since our primary objective is for J50 to remain in the wild, survive, and contribute to recovering the critically endangered Southern Resident population. J50's survival to adulthood and ability to reproduce in the wild is essential to this objective.

While it is impossible to state with absolute certainty every situation that could occur in the future, we are clear that an outcome of J50 ending up in permanent captivity is an outcome that does not meet our response objectives and that we strongly intend to avoid.

What are NOAA Fisheries' plans to save J50, including extreme measures such as capture?

J50's condition in recent weeks has underscored the urgency of recovering the endangered Southern Resident killer whale population. NOAA Fisheries and our partners have been taking and exploring measures to save J50 because of her importance as a contributing member of this population, and particularly to J Pod.

The public has a stake in the J50 response and the recovery of Southern Resident killer whales. We want to know what people in the region think about this effort and potential steps so we are holding two public meetings in Washington State to hear the public's views:

- Saturday, Sept. 15, at 7 p.m. in Friday Harbor
- Sunday, Sept. 16, at 1 p.m. in Seattle

J50's condition has declined over recent months to the point where she is severely thin and often lagging behind her family. Field treatment with antibiotics and dewormer has not improved her condition, and veterinarians believe they have exhausted those options and her survival is in doubt.

The next steps could include more extreme intervention, such as a rescue operation and conducting a hands-on physical examination. That could lead to her rapid treatment and return to the water, or short-term captive rehabilitation and care to improve her chances of survival, with the overriding goal of releasing and reuniting her with her family.

We have not decided to capture J50 or provide additional treatment. Two objectives will determine any further intervention to help J50:

- saving J50 to protect her potential contribution to the recovery of the population, and
- avoiding harm to the rest of J Pod and the Southern Resident population of 75 whales.

No capture would proceed while J50 remains with J Pod and her family group. Response teams would act to rescue J50 **only if she becomes stranded or separated** from the rest of J Pod and such that any risks to the rest of J Pod are minimized.

The overriding priority of any rescue-type intervention would be to evaluate, treat, and rehabilitate J50 to give her the greatest chance of survival, then release and reunite her with her family as soon as possible so she can contribute to long-term recovery of the population.

If veterinarians and other experts who assess J50 in the field determine that she cannot be treated or rehabilitated, teams would promptly return her to J Pod to spend the rest of her life with her family.

For further details of the effort to save J50 and intervention, please visit our J50 webpage on NOAA Fisheries' West Coast Region website at bit.ly/NOAAJ50J35

What remaining on-water treatment options are available and being considered?

The emergency response team's current priority is to administer the dewormer to J50 to address any parasite load she may be carrying. After the dose is administered, the response team will stand down on water response. Multiple research and partner vessels will continue to be on the water throughout September and will provide regular updates to NOAA Fisheries on J50's behavior.

What will NOAA Fisheries do if a physical assessment is completed and J50 cannot be treated?

If a situation arises that leads to J50 being accessible for a short-term, hands-on physical health assessment on board a vessel and she presents with a health condition that cannot be treated in short-term rehabilitation, then she would be released with the aim to reunite her with her immediate matrilineal family (the J16s). Reuniting her may not be immediately possible depending on the circumstances of her separation from her pod or if the geographic location of J pod prevents a reunion. If that is the case, J50 will be brought into short-term rehabilitation and we will provide her with the best possible care and treatment.

Why won't NOAA Fisheries capture J50 now for medical treatment?

Our highest priority is to ensure minimal impact to J50 and her family from such an effort. Killer whales have strong social bonds and spend their entire lives with their immediate family members. J50 is currently with her pod and with her mother, J16. Researchers observed J16 prey-sharing with J50 on multiple occasions and believe her best chance for survival in the wild is to remain with her pod. If we

were to intervene and capture J50 to provide treatment when she is with her pod we would risk stress, interference with social bonds and harm to other members of J pod, and increased safety concerns for the response team. NOAA Fisheries understands that not intervening to provide bolder response measures, such as short-term captive care and rehabilitation, may result in the death of this individual. The response team has utilized every existing tool available to remotely collect samples, monitor her behavior and condition, and provide medical treatment to her.

Under what conditions will NOAA Fisheries bring J50 into short-term care for treatment?

Response teams would act to rescue J50 to provide short-term captive rehabilitation **only if she becomes stranded or separated** from the rest of J Pod and such that any risks to the rest of J Pod are minimized. Such intervention would be evaluated against our two overarching objectives for the response effort:

- saving J50 to protect her potential contribution to the recovery of the population, and
- avoiding harm to the rest of J Pod and the Southern Resident population of 75 whales.

Could J50 end up in captive care permanently if she is brought into a holding area to receive short-term medical care?

Under all captive-intervention options, our goal would be to reunite J50 with her pod as soon as possible. This type of rescue effort includes significant uncertainty and requires careful consideration of potential risks, including death, and the future reproductive benefits to the population. Part of this uncertainty is J50's condition and what is causing her malnutrition. Malnutrition can be caused by a number of factors including: decreased prey availability, decreased dietary quality, increased activity, and underlying illness (foreign body obstruction, infectious disease, congenital defect, etc.). If she is brought in for short-term care and rehabilitation, we will consider all aspects of animal welfare and humane treatment in meeting our highest priority of releasing and reuniting her with her pod as quickly as possible.

While it is impossible to state with absolute certainty every situation that could occur in the future, we are clear that an outcome of J50 ending up in permanent captivity is an outcome that does not meet our response objectives and that we strongly intend to avoid. Our primary objective is for J50 to remain in the wild, survive, and contribute to recovering the critically endangered Southern Resident population. J50's survival to adulthood and ability to reproduce in the wild is essential to this objective.

What is the status of the live fish trials?

We evaluated the live fish trial as a tool to potentially aid in delivering oral medication to J50, but not to supplement her nutrition. In the initial field trial we conducted in collaboration with the Lummi Nation and other partners, J50 did not show interest in the released fish while other members of her pod did. This makes it unlikely that it would be an effective tool to deliver medication to a single target

individual (J50). Long-term feeding is not a realistic recovery strategy for the Southern Resident killer whale population, as wild populations must be viable on their own to recover.

If a situation meets the criteria for intervention involving capture, what happens then?

There are two distinct stages of such intervention, with specific decision points along the way at which experts will determine the best option for supporting J50 and helping her survive. The goal of the entire process would be to assess J50's condition, improve that condition to the extent possible, and then release her back into the wild and reunite her with her family as quickly and responsibly as possible.

FIRST STAGE

Step 1: Visual Assessment and Capture Decision Point. The first stage of this intervention would be a visual examination. The first step, when responders arrive on scene and before anything else happens, would be a visual health and behavioral assessment by veterinarians to determine whether J50 is a candidate for this intervention. Only if they make a positive determination would the team move forward.

Step 2. Capture. There are three methods the team would consider using to capture J50 temporarily.

Soft tail line: This method could be used if J50 separates from J Pod and her family group, and is severely compromised or unresponsive. This option would require three vessels and at least eight experienced divers. A soft line would be placed around J50's tail, and divers would maneuver her into a stretcher attached to the side of a boat. A crane on a second boat would then lift the stretcher onto this transport vessel and place the whale into a transport cradle or soft foam pad, where she could be closely examined. This method was successfully used in 2002 with A73, also called Springer, and a New Zealand killer whale known as "Tiger" in 2016. Springer was released and reunited with her family after a month of captive care and rehabilitation, but Tiger, a calf, was so weak by the time he was captured that he died while under treatment.

Hoop or breakaway net: This method could be used if J50 separates from J Pod and her family group, is actively swimming, and approaches a vessel. An experienced team member would place the large hoop net directly in front of the whale when she surfaces. The whale's forward momentum, combined with skilled handling of the net, would carry her into the net. The net is designed to then break free of the frame. A nylon line draws the net to a close and pulls it toward a waiting vessel. Although in the net, J50 could still swim, move, and breathe. A second transport vessel would then lift her into a transport cradle or foam pad, as in the soft tail line option.

Purse seine: This method could be used if J50 separates from J Pod and her family group and specific conditions regarding location, depth, and weather for safe deployment are met. A purse seine net would encircle J50 and then draw her into the confines of the net. Divers could then maneuver her into a stretcher that would be attached to the side of a vessel. A second vessel would approach and lift her into a cradle or pad, as in the first two options.

Step 3: Hands-on Medical Assessment: Once J50 is on a transport vessel with veterinarians and other experts, the team would conduct a rapid but thorough physical examination and treatment that would include:

- Collection of blood and fecal samples.
- Assessment of weight and hydration.
- Full doses of a broad spectrum antibiotic and dewormer, if she has not already received doses from a dart.
- Rehydration if the physical exam suggests it could help J50.

The vessel carrying J50 would remain within a few miles of her family group, if they were in the area. The purpose of doing so would be to maintain the opportunity to release J50 back to her family as soon as possible, with as little disruption as possible.

Step 4: Return to the Wild or Short-term Care Decision Point: Following the physical assessment, the veterinary team would stop and consider what they have learned about J50's condition and options for treatment. This would also involve a consultation with NOAA Fisheries leadership to determine whether to proceed to the second stage for short-term captive care and rehabilitation. The criteria for determining whether to proceed to this second stage would include whether the location of the J16s is known, and whether the veterinary team concludes that J50 has health concerns such that temporary care could substantially improve the whale's chances for continued survival in the wild.

SECOND STAGE

Short-Term Rehabilitation. If J50 was taken into care for short-term treatment and rehabilitation, she would be placed temporarily in a net pen within the Salish Sea.

The priority would continue to be to release J50 back into the wild and reunite her with her family as soon as possible and in a way that best improves her odds for survival and minimizes disturbance to the rest of the population.

What is Sea World's role in the J50 response, and any possible capture and rehabilitation?

SeaWorld veterinarians and biologists are among the most experienced in the world at caring for whales in managed care. SeaWorld also operates some of the world's most advanced diagnostic laboratories for assessing the health of whales. These laboratories provided the results from fecal samples indicating that J50's mother, J16, likely carries parasitic nematode worms. That discovery led veterinarians to recommend J50 be treated with a deworming medication, since the whales share prey.

NOT FOR DISTRIBUTION – CLOSE HOLD – INTERNAL TEAM/PARTNERS DRAFT VERSION
NMFS West Coast Region DRAFT – for discussion w/ partners 9/8/18 – 2:30 pm

In this way, SeaWorld's expertise and support have informed and improved the effort to treat J50.

While some may question SeaWorld's role in this situation given its history decades ago of capturing killer whales from the wild, much has changed in 50 years. SeaWorld has not been involved in captures in nearly 40 years, and has continued to increase its commitment to helping protect wild whales. SeaWorld today responds to stranded animals as a member of the West Coast Marine Mammal Stranding Network, and has supported the recovery of Southern Resident killer whales through monetary, resource, and expertise support to the National Fish and Wildlife Foundation's Killer Whale Research and Conservation Program. That has, as just part of the efforts, helped restore habitat for Chinook salmon that wild whales rely on for food, and research to better understand and address the risks and threats to wild whales. Additionally, some NOAA Fisheries scientists have examined whales at SeaWorld to understand their physiology and how mothers may transfer contaminants to calves while they nurse, for instance. This provides important insight into the risks that wild whales face, and how we might better protect them.

As the recovery authority for endangered whales such as the Southern Residents, NOAA Fisheries directs and decides how the effort to support J50 will proceed. SeaWorld and our other partners respond to requests from the J50 team in the field according to their expertise, providing support when and where it is needed. To help J50, the team needs the best expertise and resources available. SeaWorld's support helps supply such expertise and resources.

Barton, Meagan

From: Chris Yates - NOAA Federal [REDACTED]
Sent: September-10-18 2:24 PM
To: Thomson, Andrew
Cc: Lynne Barre
Subject: Re: SRKW J50 plans

Andy, I will try to catch you in just a bit. Chris

On Mon, Sep 10, 2018 at 9:54 AM, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca> wrote:
Chris

After the call / mtg at 11 today to discuss the operational aspects of potential intervention. I think it might benefit us to arrange a call to discuss the plan , including decision making process and communications.

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches
Pacific Region | Région du Pacifique
Fisheries & Oceans Canada | Pêches et Océans Canada

Suite 200 – 401 Burrard St.
Vancouver, BC, Canada V6C 3S4
andrew.thomson@dfo-mpo.gc.ca
Telephone | Téléphone 604.666.0751
Facsimile | Télécopieur 250.666.8069
Government of Canada | Gouvernement du Canada.

From: Chris Yates
Sent: Friday, September 7, 2018 8:40 PM
To: Thomson, Andrew
Cc: Lynne Barre
Subject: Re: SRKW J50 plans

Thanks Andy,

My cell is [REDACTED] and Lynne's is [REDACTED]

Talk soon, Chris

On Sep 7, 2018, at 7:23 PM, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca> wrote:

FYI My contact info is below and my cell phone # is [REDACTED]

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches

Suite 200 – 401 Burrard St.
Vancouver, BC, Canada V6C 3S4
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Telephone | Téléphone 604.666.0751
Facsimile | Télécopieur 250.666.8069
Government of Canada | Gouvernement du Canada

From: Chris Yates - NOAA Federal [mailto:]
Sent: Thursday, September 6, 2018 10:53 AM
To: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Cc: Lynne Barre < >
Subject: Re: SRKW J50 plans

Thanks, here is a conference line we can call into

(866) 737-9088, PC 1986422#

Talk soon, Chris

On Thu, Sep 6, 2018 at 10:43 AM, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca> wrote:

Yes.

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches

From: Chris Yates - NOAA Federal [mailto:]
Sent: Thursday, September 6, 2018 10:43 AM
To: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Cc: Lynne Barre < >
Subject: Re: SRKW J50 plans

Andrew - are you available at 11:30 Pacific time (45 minutes from now)?

Chris

On Thu, Sep 6, 2018 at 9:53 AM, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca> wrote:

Chris

I don't believe we've met but I wonder if you or Lynne would have any time today to discuss J50 response plans.

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches
Pacific Region | Région du Pacifique
Fisheries & Oceans Canada | Pêches et Océans Canada

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Telephone | Téléphone 604.666.0751
Facsimile | Télécopieur 250.666.8069
Government of Canada | Gouvernement du Canada.

--

Chris Yates
Assistant Regional Administrator
NOAA Fisheries West Coast Region
U.S. Department of Commerce
Office: 562-980-4007



<~WRD000.jpg>

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Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED]
Sent: Wednesday, September 12, 2018 8 42 AM
To: Girouard, Louise, Sloan, Lara, Malikian, Janine
Subject: Our outline for press call
Attachments: Media call outline for 9-12-18 docx

Hi all,

Here is an outline and some brief Q&As for the press call that we've been putting together. Still editing on this end but wanted you to see it now.

Can discuss details on the pre-call

Michael

--

Michael Milstein
Public Affairs Officer
NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office: 503-231-6268

Cell [REDACTED]
[REDACTED]



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Draft outline for media call, 9/12/18

Jim's introduction:

Thank you for joining us today I am Jim Milbury, Public Affairs Officer for NOAA Fisheries West Coast Region

We are working closely with our counterparts in Canada to keep you informed of efforts to support J50 and the endangered Southern Resident population as a whole

As you know, we have announced public meetings to explain our goals and hear what the public thinks, but this is not slowing our progress in the event that we may be able to help J50 We are putting in place the resources to rescue J50 in the event that she separates her pod so that we will be ready to respond immediately if that happens We can't emphasize enough that our overriding priority is to make sure that J50 survives and contributes to this population in the future, while minimizing impacts to her pod.

As much as we may be discussing J50's survival, we are maintaining clear focus on recovery of the population as a whole, including x, y, z One way the media can help us with this is to cover some of the science and conservation management efforts underway throughout the whale's range We have many of these stories to pitch, please be in contact

Let me be sure you know how to contact me if you have questions afterwards

Introduce the speakers

Chris Yates, Assistant Regional Administrator, NOAA Fisheries West Coast Region

Lynne Barre, Recovery Coordinator, Southern Resident killer whales

Andrew Thomson, DFO

Shelia Thornton and/or Paul Cottrell from DFO

Joe Gaydos, SeaDoc Society veterinarian, last veterinarian to observe J50 close up.

Lynne Barre recap:

J50's condition has declined over recent months to the point where she is emaciated and often lagging behind her family

Field treatment of antibiotics has not improved her condition, and veterinarians believe they have exhausted all reasonable remote treatment options and her survival is unlikely The next step from a treatment perspective is to do a physical examination to diagnose her illness and be able to target treatment

She is critically important because she has potential to contribute to this population in the future, and we want most of all to maintain that contribution. But our singular goal is the survival of the population as a whole and any action we take must minimize impact to the other animals.

We have outlined criteria under which we would consider intervening

- We would consider intervention only if J50 strands or is separated from her family
- Our overriding objective is to provide J50 with the best chance of survival, and make sure that she can contribute to her family group. We will not put the other whales at risk to do so

Field teams may need to move quickly, and by thinking through all options in advance, they can be prepared to do so. The goal is to treat J50 to save her life in such a way that minimizes disturbance and stress to her and to all individuals within J Pod.

Chris statement??

DFO recap:

Status of response in Canada

Basic Q&A:

What does separation mean?

This depends on many factors: safety of the response teams, and the whales, weather, and other circumstances. We will call on the experts who have been advising us all along as to when the circumstances demand it. We will not hypothesize but we will prepare in the event the circumstances demand it.

Should the public boycott salmon to help save the whales?

We ensure that in any decision on fisheries, that endangered species such as Southern Resident killer whales come first. Fisheries proceed only after they have accounted for the needs of Southern Residents. If you want to get more info about this, please contact us afterwards, and we'd be glad to help you out.

What do you say to people who believe you should never intervene?

Unfortunately the Southern Resident killer whales have declined to where every animal is critical. We must consider all options for maintaining J50's contribution to the population, but we will not put the other whales at risk to do so.

Please describe what a rescue would look like?

This will depend very much on conditions at the time. We have confidence in the response teams, and the experts who are advising them. They will evaluate circumstances on the water, and if J50 strands, to determine if it is time to act. It is important that we work with our partners, and we will not do this alone.

Why have you waited so long to intervene?

There is no precedent for this response. As much as we all want to help J50, we will not put the other whales at risk in doing so. The overriding priority of any rescue intervention would be to evaluate, treat, and rehabilitate J50 in a manner that would support the greatest chance of her survival while ensuring her return and reunification with her family as soon as possible so she can contribute to long-term recovery of the population.

What happens if J50 cannot be treated?

If veterinarians and other experts who assess J50 in the field determine that she cannot be treated or rehabilitated, teams would promptly return her to J Pod to spend the rest of her life with her family.

Could J50 remain in captivity?

While it is impossible to state with absolute certainty every situation that might occur in the future, we are clear that J50 ending up in permanent captivity is an outcome that does not meet our response objectives and that we intend to avoid. Our primary objective is for J50 to remain in the wild, survive, and contribute to the recovery of the critically endangered Southern Resident killer whale population. J50's survival to adulthood and ability to successfully reproduce in the wild is essential to this objective.

Is Sea World involved?

As the recovery authority for endangered whales such as the Southern Residents, NOAA Fisheries directs and decides how the effort to support J50 will proceed. SeaWorld and our other partners respond to requests from the J50 team in the field according to their expertise, providing support when and where it is needed. To help J50, the team needs the best expertise and resources available. SeaWorld's support helps supply such expertise and resources.

Are you waiting for the public meetings to do something?

We are working with our partners to examine all the options so that if we need to move quickly, the pieces will be in place. Details of any rescue would depend on circumstances at the time

Do we know what is wrong with J50?

We do not know what is causing J50 to lose so much weight. We have been able to inject two shots of antibiotics but have still not been able to inject her with the dewormer for parasites, although we're not certain that is the basis for her illness

How much longer can J50 survive?

J 50 is appreciably thinner from what we saw in August by aerial photogrammetry and general observations. We don't know how much longer she may survive, but we will do all we can to keep her with her pod until that is no longer practicable

It appears that the mother, J16 is also thinner, is she sick as well? What about the rest of the pod?

J16 is slightly thinner, which is probably not that unusual as she tries to care for J50. The other members of J pod, however, appear to be slightly larger, with the exception of J50, of course.

How is J35? Has anyone been able to observe her?

We have had only occasional observations of J35 but when we see her she seems active and social with other whales

Girouard, Louise

From: Sloan, Lara
Sent: Wednesday, September 12, 2018 7:57 AM
To: Michael Milstein - NOAA Federal
Cc: Girouard, Louise, Malikian, Janine
Subject: Re: CBC Radio at 12:05 pm Pacific?

Thank you for asking Michael.
I will check with Andy Thomson to see if he can do it.
Lara

Sent from my BlackBerry 10 smartphone on the Bell network.

From: Michael Milstein - NOAA Federal
Sent: Wednesday, September 12, 2018 7:35 AM
To: Sloan, Lara
Subject: Fwd: CBC Radio at 12:05 pm Pacific?

Hi Lara, will you be doing any follow-up interviews like this after the media call?

I am happy to pass these on to you if you would prefer, as I do not want to appear to be speaking for DFO

----- Forwarded message -----

From: Michelle Eliot <[REDACTED]>
Date: Wed, Sep 12, 2018 at 7:30 AM
Subject: CBC Radio at 12:05 pm Pacific?
To: Michael Milstein - NOAA Federal <[REDACTED]>
Cc: [REDACTED]

Hi there Michael,

We spoke a few weeks ago on my program, regarding J50.
Wondering if we can have you on again today, following your 10 am news conference?
This would be at 12:05 pm PT, for about 5-6 minutes

Thank you very much,

--
Michelle Eliot
Host, "BC Today"

<http://www.cbc.ca/listen/shows/bc-today>



--
Michael Milstein
Public Affairs Officer
NOAA Fisheries
West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center
Office: 503-231-6268
Cell: [REDACTED]
[REDACTED]



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Barton, Meagan

From: Davis, Neil
Sent: September-12-18 9:57 AM
To: Webb, Cheryl; MacConnachie, Sean; Kennedy, Eddy
Cc: Thomson, Andrew; Cottrell, Paul
Subject: FW: Meeting Follow Up

Categories: CC'ed messages

While I think we should use part of our 11:30 call w NOAA today to inquire further about the potential gaps in the rescue plan, just a heads up that the msg below indicates some of what NOaA may be looking for from us

From: Kristin Wilkinson - NOAA Federal [REDACTED]
Sent: Wednesday, September 12, 2018 9:48 AM
To: Hendrik Nollens <[REDACTED]>; Eric Otjen <[REDACTED]>; Peterson, Jon <[REDACTED]>; Joseph K. Gaydos <[REDACTED]>; Jennifer Olson <[REDACTED]>; Jenny Atkinson <[REDACTED]>; Candice Emmons <[REDACTED]>; brad.hanson <[REDACTED]>; Deborah Giles, PhD <[REDACTED]>; Katy Foster <[REDACTED]>; Jeff Foster <[REDACTED]>; Marty Haulena <[REDACTED]>; John Durban - NOAA Federal <[REDACTED]>; Holly Fearnbach <[REDACTED]>; Taylor Shedd <[REDACTED]>; Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Jim McBain <[REDACTED]>; Russ Mullins <[REDACTED]>; Greg Busch <[REDACTED]>; Kenneth Balcomb <[REDACTED]>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Brian Simpson - NOAA Federal <[REDACTED]>; Jeff Hogan <[REDACTED]>
Cc: Lynne Barre <[REDACTED]>; Forbes Darby - NOAA Federal <[REDACTED]>; Ruth Howell <[REDACTED]>; Chris Yates - NOAA Federal <[REDACTED]>; Michael Milstein - NOAA Federal <[REDACTED]>; Teri Rowles <[REDACTED]>; Sarah Wilkin - NOAA Federal <[REDACTED]>
Subject: Meeting Follow Up

Hello All -

I apologize for the delay of this email (I've been on the road for the past two days, Friday Harbor with all of you on Monday and a site visit to Manchester yesterday). First of all, thank you very much for participating and sharing your thoughts and suggestions.

The next steps involve identifying leads for the different aspects of the logistics plan (on water lead, team coordination lead, capture, transport, veterinary care and rehabilitation, release, etc.) and I will be working with NOAA HQ on that today. Those who volunteered and offered assistance for these roles were shared with HQ on Monday evening. Once those leads are formally identified I will be working with them closely to ensure all aspects of the logistics plan are in place and we are ready to respond if an emergency were to occur. This is a huge undertaking but I know we have an experienced and capable team to rely on. Additional personnel will be placed on the island over the coming days and will be available to respond if needed, these individuals will be working closely with me and the leads.

This weekend there will be two public meetings (please see information below) and I will be presenting on what we have done and accomplished so far. I may be reaching out to some of you to review that information in the next couple of days.

Again, thank you and please do not hesitate to reach out if I can be of assistance.

--

Kristin Wilkinson*NOAA Fisheries, Protected Resources Division**West Coast Region, Based in Seattle**Regional Stranding Coordinator, Washington & Oregon*

206-526-4747 Office

Cell

**NOAA FISHERIES**
West Coast Region**NOAA FISHERIES**
West Coast Region**REPORTERS, EDITORS:** Call-in information for a media briefing Wednesday (Sept. 12) at 10 a.m. Pacific will follow shortly.

NOAA Fisheries hosting public meetings on J50 emergency response

September 11, 2018

J50's condition in recent weeks has underscored the urgency of recovering the endangered Southern Resident killer whale population. NOAA Fisheries and our partners have been exploring and taking action to save J50 because of her importance as a contributing member of this population, and particularly to J Pod.

The public has a stake in the J50 response and the recovery of Southern Resident killer whales and we understand many people are concerned. We want to know what people in the region think about this effort and potential steps so we are holding two public meetings in Washington State to hear the public's views:

- Saturday, Sept. 15, at 7 p.m. in Friday Harbor at Friday Harbor High School
- Sunday, Sept. 16, at 1 p.m. in Seattle at University of Washington, Haggett Hall Cascade Room

J50's condition has declined over recent months to the point where she is emaciated and often lagging behind her family. Field treatment has not improved her condition, and veterinarians believe they have exhausted all reasonable remote treatment options and her survival is unlikely.

The next steps could include further intervention, such as a rescue operation and conducting a hands-on physical examination. That could lead to more in-depth diagnoses, rapid treatment, and return to the water or short-term rehabilitation and care to improve her chances of survival, with the ultimate goal of reuniting her with her family.

Two objectives will determine any further intervention to help J50:

- providing appropriate conservation medical actions for J50 to protect her potential contribution to the recovery of the population, and
- avoiding harm to the rest of J Pod and the Southern Resident population of 75 whales.

No rescue would proceed while J50 remains with J Pod and her family group. Response teams would act to rescue J50 only if she becomes stranded or separated from the rest of J Pod such that any risks of the intervention to the rest of J Pod are minimized.

The overriding priority of any rescue intervention would be to evaluate, treat, and rehabilitate J50 in a manner that would support the greatest chance of her survival while ensuring her return and reunification with her family as soon as possible so she can contribute to long-term recovery of the population.

If veterinarians and other experts who assess J50 in the field determine that she cannot be treated or rehabilitated, teams would promptly return her to J Pod to spend the rest of her life with her family.

For further details of the effort to save J50 and intervention, please visit our J50 webpage on NOAA Fisheries' West Coast Region website at bit.ly/NOAAJ50J35. In the meantime, the public can submit questions and comments to NOAA Fisheries by emailing KillerWhale.Help@noaa.gov.

Barton, Meagan

From: Stephen Manley - NOAA Federal [REDACTED]
Sent: September-12-18 1:17 PM
To: Thomson, Andrew; Cottrell, Paul; Davis, Neil
Subject: Canadian CITES

Hello All,

It was great to speak with you all on the phone. As I mentioned, I do all of the permitting for the marine mammal health and stranding response program, and Kristin is listed under our permits. I would like to give a heads up to the US Fish and Wildlife (USFWS) folks who may be involved with clearing the CITES, should we have to import J50. Once you are able to modify the permit to say "National Marine Fisheries Service c/o Kristin Wilkinson", would you mind sharing a copy of the Canadian CITES export permit? Simply importing marine mammal samples often causes problems with USFWS, so importing a live whale will certainly require me to give them as much of a notice as possible.

Thanks,
Steve

--

Stephen Manley

Marine Mammal and Sea Turtle Conservation Division
Office of Protected Resources
NOAA/ National Marine Fisheries Service

Email: [REDACTED]
Phone: 301-427-8476

Girouard, Louise

From: Girouard, Louise
Sent: Thursday, September 13, 2018 6 57 PM
To: Forbes Darby - NOAA Federal, Jim Milbury - NOAA Federal
Cc: Sloan, Lara, Michael Milstein
Subject: Re J50/Scarlet Communications Update 9/13 - Evening update

Thanks Darby.

Your timing is impeccable. We were getting media calls for comment on CWR News release.

We are not making any new statements and holding to same lines for the moment.

L

From: Forbes Darby - NOAA Federal
Sent: Thursday, September 13, 2018 6:21 PM
To: Kurt Russo
Cc: [REDACTED] Deborah Giles, PhD;
 [REDACTED] Katy Foster;
 [REDACTED] Jim McBain; RHQ - Media.PAC; Girouard, Louise; Malikian, Janine;
 Michael Mountain; Sloan, Lara; Amilee Wilson - NOAA Federal; Ruth Howell - NOAA Federal; Sarah Mesnick - NOAA
 Federal; Michael Milstein - NOAA Federal; Jim Milbury - NOAA Federal; [REDACTED]
Subject: J50/Scarlet Communications Update 9/13 - Evening update

Good evening team,
 Just a quick update. We're posting the following to Facebook and our website now.

#J50 Update (9/14 #2): While the Center for Whale Research has declared J50 dead due to multiple sightings of her family without her in the past few days, the response team is continuing their search on the water and in the air. The U.S. Coast Guard is conducting an aerial search and team members are searching by boat in likely locations in U.S. and Canadian waters. We have not given up. The hotline for stranding reports is 1-866-767-6114. We will continue to post updates here and at bit.ly/NOAAJ50J35

On Thu, Sep 13, 2018 at 1.27 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:
 Good afternoon,

We just released a statement on the J50 in coordination with Canada (see below). J50 hasn't been spotted in a couple of days and there's an extensive on-the-water and aerial search underway for her. We're obviously hoping for the best and will update you when we hear anything. In the meantime, we are planning to go forward with our public meetings this weekend.
 Forbes

September 13: Unfortunately J50 has not been seen in several days of favorable conditions and repeated sightings of her pod and family group, including J16, her mother. Teams were on the water searching yesterday and are increasing a broad transboundary search today with our on-water partners and counterparts in Canada. We have alerted the West Coast Marine Mammal Stranding Network, which is a

tremendous resource in such situations. Airlines flying in and out of the San Juan Islands are also on the lookout. The hotline for stranding reports is 1-866-767-6114.

On Tue, Sep 11, 2018 at 7:58 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:

Good evening all,

Apologies for the delay in getting back in touch. Yesterday, many of the response team partners gathered in Friday Harbor (and the phone) to walk through our draft intervention plan. While there are many details and logistics yet to be fleshed out, the crux of what's in that plan is outlined in our Facebook and website posts today (see below).

Tomorrow at 10am, we'll follow up with a media call to further explain our intervention approach. Then this weekend, we'll host two public town hall meetings in Seattle and Friday Harbor to allow the public the opportunity to share their thoughts with us. We would appreciate your help getting the word out to interested members of the public about these town halls by sharing our Facebook post.

Saturday, September 15
Friday Harbor High School
 @ 7:00 pm

Sunday, September 16
University of Washington
 Haggett Hall Cascade Room
 @ 1:00 pm

Please let me know if I can answer any questions or provide any additional information.

Forbes

#J50 Update (9/11) -- Two objectives will determine any further effort to help J50: taking appropriate actions with our partners to protect her potential contribution to the recovery of the population, and avoiding harm to the rest of J Pod and the Southern Resident population of 75 whales. The next steps could include further intervention, such as a rescue operation and hands-on physical examination. That could lead to rapid treatment and return to the water, or short-term care and rehabilitation to improve her chances of survival. Response teams would act to rescue J50 only if she becomes stranded or separated from the rest of J Pod such that any risks of intervention to the rest of J Pod are minimized. The overriding priority of any rescue would be to evaluate, treat, and rehabilitate J50 to provide her the greatest chance of survival while ensuring her return and reunification with her family as soon as possible. We will hold two public meetings this weekend to outline options and to hear what you think. The meetings will be Saturday, Sept 15, at 7 p.m. at Friday Harbor High School in Friday Harbor, Wash., and Sunday, Sept. 16, at 1 p.m., at the University of Washington, Haggett Hall Cascade Room. Please join us. Find the latest information at bit.ly/NOAAJ50J35.

On Sat, Sep 8, 2018 at 5:21 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:

Good afternoon,

Just an update that we posted to Facebook and our website just now. You can see that post below.

September 8: Response teams caught up to J Pod Friday (9/7) off the south end of San Juan Island, and found J50 lagging a half-mile to a mile behind the rest of her family group at times. Veterinarian observations do not indicate J50's body condition is improving. Unfortunately the team did not succeed yesterday in providing a dose of dewormer, but they hope for favorable conditions today to try again. Concern for J50 is rapidly growing. We are

working with our Canadian counterparts at Fisheries and Oceans Canada (DFO) to carefully evaluate options. Our highest priorities are to do all we can to ensure J50 remains a contributing part of the Southern Resident killer whale population and to prevent any harm to her and her family under any potential response scenario. That is the bottom line.

--

Forbes Darby
Communication Program Manager
NOAA Fisheries Northwest Fisheries Science Center
2725 Montlake Blvd E
Seattle, WA 98112
Office 206-302-2474
Cell [REDACTED]

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Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

2725 Montlake Blvd E

Seattle, WA 98112

Office 206-302-2474

Cell 

Girouard, Louise

From: Forbes Darby - NOAA Federal <[REDACTED]>
Sent: Thursday, September 13, 2018 1:27 PM
To: Kurt Russo
Cc: [REDACTED]
 Deborah Giles, PhD, [REDACTED]
 [REDACTED] Katy Foster,
 [REDACTED] Jim McBain, RHQ - Media PAC, Girouard, Louise,
 Malikian, Janine, Michael Mountain, Sloan, Lara, Amilee Wilson - NOAA Federal, Ruth
 Howell - NOAA Federal, Sarah Mesnick - NOAA Federal, Michael Milstein - NOAA
 Federal, Jim Milbury - NOAA Federal
Subject: J50/Scarlet Communications Update 9/13 - Search underway

Good afternoon,

We just released a statement on the J50 in coordination with Canada (see below). J50 hasn't been spotted in a couple of days and there's an extensive on-the-water and aerial search underway for her. We're obviously hoping for the best and will update you when we hear anything. In the meantime, we are planning to go forward with our public meetings this weekend.

Forbes

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 @ 7:00 pm

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University of Washington
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 @ 1:00 pm

Please let me know if I can answer any questions or provide any additional information.

Forbes

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--

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

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Office 206-302-2474

Cell [REDACTED]

--

Forbes Darby

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Office 206-302-2474

Cell [REDACTED]

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Girouard, Louise

From: Sloan, Lara
Sent: Thursday, September 13, 2018 11 02 AM
To: Michael Milstein - NOAA Federal
Cc: Girouard, Louise, Thomson, Andrew, Malikian, Janine
Subject: RE J50 statement Sept 13

Thanks Michael

From: Michael Milstein - NOAA Federal [mailto:]
Sent: September-13-18 11:01 AM
To: Sloan, Lara
Cc: Girouard, Louise; Thomson, Andrew; Malikian, Janine
Subject: Re: J50 statement Sept 13

ok, we are going now, with this.

#J50 Update (9/13): Unfortunately J50 has not been seen in several days of favorable conditions and sightings of her pod and family group, including J16, her mother. Teams were on the water searching yesterday and are increasing a broad transboundary search today with our on-water partners and counterparts in Canada. We have alerted the West Coast Marine Mammal Stranding Network, which is a tremendous resource in such situations. Airlines flying in and out of the San Juan Islands are also on the lookout. We greatly appreciate all the help and concern. The hotline for stranding reports is 1-866-767-6114. Further updates at bit.ly/NOAAJ50J35.

On Thu, Sep 13, 2018 at 10:47 AM, Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca> wrote:

There is debate on when the last sighting was, so I will change it to be not specific, and to be consistent with NOAA.

Janine, please note changes to the first sentence.

Juvenile Southern Resident killer whale J50 has not been seen for many days despite excellent sighting conditions and sightings of J-pod, including her mother J16. We are coordinating closely with our counterparts at NOAA Fisheries West Coast to continue a broad transboundary search by water and air today. Teams are ready to respond if J50 is located and requires medical attention. DFO's Marine Mammal Incident Reporting Hotline is 1-800-465-4336.

NOAA's updated statement will be issued at 11am:

#J50 Update (9/14): Unfortunately J50 has not been seen in several days of favorable conditions and repeated sightings of her pod and family group, including J16, her mother. Teams were on the water searching yesterday and are increasing a broad transboundary search today with our on-water partners and counterparts in Canada. We have alerted the West Coast Marine Mammal Stranding Network, which is a tremendous resource in such situations. Airlines flying in and out of the San Juan Islands are also on the lookout. We greatly appreciate all the help and concern. The hotline for stranding reports is 1-866-767-6114. Further updates at bit.ly/NOAAJ50J35.

From: Sloan, Lara
Sent: September-13-18 10:25 AM
To: Malikian, Janine
Subject: FW: J50 statement Sept 13

For your review.

From: Davis, Neil
Sent: September-13-18 10:07 AM
To: Sloan, Lara; Cottrell, Paul; Girouard, Louise; Bate, Dan
Subject: Re: J50 statement Sept 13

Approved

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Sloan, Lara
Sent: Thursday, September 13, 2018 10:03 AM
To: Cottrell, Paul; Girouard, Louise; Davis, Neil; Bate, Dan
Subject: J50 statement Sept 13

H1 Our proposed statement for your approval The timing will be coordinated with the release of NOAA's statement.

Juvenile Southern Resident killer whale J50 has not been seen since Friday September 7th, 2018 near San Juan Island despite several days of excellent sighting conditions and sightings of J-pod and her mother J16. We are coordinating closely with our counterparts at NOAA to continue a broad transboundary search by water and air. Teams are ready to respond should J50 be located and require medical attention DFO's Marine Mammal Incident Reporting Hotline is 1-800-465-4336.

NOAA's (still being reviewed) statement:

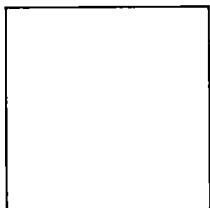
Unfortunately J50 has not been seen in several days of favorable conditions and repeated sightings of her pod and family group, including J16, her mother We are coordinating closely with our counterparts in Canada to continue a broad transboundary search We have also alerted the West Coast Marine Mammal Stranding Network, which is a tremendous resource in such situations Airlines flying in and out of the San Juan Islands are also on the lookout We greatly appreciate all the help and concern. The hotline for stranding reports is 1-866-767-6114 Further updates at bit ly/NOAAJ50J35 as news is available

Lara Sloan | Communications Advisor | Conseillère en communications | Fisheries and Oceans Canada |
Pêches et Océans Canada | Tel: 250.363.3749 | Cel: [REDACTED] Lara.Sloan@dfo-mpo.gc.ca
www.pac.dfo-mpo.gc.ca

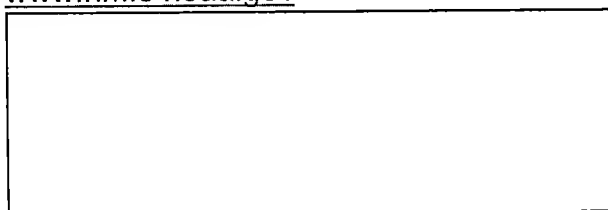
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Suivez-nous sur Twitter! http://twitter.com/MPO_Pacifique

Michael Milstein
Public Affairs Officer
NOAA Fisheries
West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center
Office: 503-231-6268
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[REDACTED]



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Girouard, Louise

From: Jim Milbury - NOAA Federal [REDACTED]
Sent: Thursday, September 13, 2018 9:05 AM
To: Girouard, Louise
Cc: Sloan, Lara, Malikian, Janine
Subject: Re: J50 - update possible CWR advisory
Attachments: AudioJ50 09 12.2018 mp3, Transcript J50 09 12 2018 docx

Louise,

Attached is the transcript and audio of yesterday's call. I think the transcript is really helpful because Andy and Chris made some really good points that we continue on with. Anyway, thanks again,

Jim

Jim Milbury
 Public Affairs Officer
 NOAA Fisheries West Coast Region
 501 W. Ocean Blvd / Suite 4200
 Long Beach, CA 90802
 Office 562-980-4006
 Mobile [REDACTED]



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"The field of science needs to communicate with the general public, because the ultimate goal of science is to do good, to gain knowledge, to understand and discover things that are ultimately for the good of mankind." Dr. Anthony S. Fauci, Director NIAID

On Thu, Sep 13, 2018 at 8:00 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:

Thanks Paul Cottrell is also confirming.

Much appreciated.

L

From: Jim Milbury - NOAA Federal [REDACTED]
Sent: Thursday, September 13, 2018 7:59 AM
To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Cc: Michael Milstein - NOAA Federal [REDACTED] Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Bate, Dan <Dan.Bate@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Ruth Howell - NOAA Federal <[REDACTED]>; Forbes Darby - NOAA Federal [REDACTED]
Subject: Re: J50 - update possible CWR advisory

Thanks, Louise. I just want to add that on a call last night we learned the last time there was a confirmed sighting of J50 was Sunday. I will double check on that today, but wanted you to know we should probably iron out that point just to be consistent

Thanks,

Jim

Jim Milbury
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"The field of science needs to communicate with the general public, because the ultimate goal of science is to do good, to gain knowledge, to understand and discover things that are ultimately for the good of mankind " Dr Anthony S Fauci, Director NIAID

On Thu, Sep 13, 2018 at 7:45 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:

Thanks Michael,

We have drafted holding lines along the same lines as what you are thinking, DFO and partners we will be on the water today searching for J-50

Reactive only for the moment, we can adjust if needed later on today,

L

Holding Lines

- J50 has not been seen since Friday Sept. 7 despite several days of excellent sighting conditions and sightings of her family and her pod. We will continue a broad transboundary search by water and air today.
- The condition of Southern Resident killer whale J50 has not improved with recent interventions.
- We're working with NOAA and other partners to develop a rescue plan to respond if she becomes separated from her mother and J-pod entirely, or becomes stranded on a beach. This would be a difficult operation with many logistical challenges which we're continuing to work through with all of our partners, so that we're as prepared as possible if a rescue attempt takes place. Our objective is for J50 to remain with her family in the ocean where she can contribute to the long-term recovery of this species.

From: Michael Milstein - NOAA Federal <[REDACTED]>

Sent: Thursday, September 13, 2018 7:15 AM

To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>

Cc: Jim Milbury - NOAA Federal <[REDACTED]> Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>, Bate, Dan <Dan.Bate@dfo-mpo.gc.ca>, Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>, Ruth Howell - NOAA Federal <[REDACTED]>

Forbes Darby - NOAA Federal <[REDACTED]>

Subject: Re: J50 - update possible CWR advisory

Hi Louise,

I do not think we are immediately prepared to make a conclusive statement CWR does census work for us and typically they make the call as to when a whale is presumed dead. Their standard is that they want to see the family group at least three times without a whale to determine the whale has died, although sometimes they do make the call sooner.

My discussion with Ruth late last night was that if they are going to make the call early, that is their choice, but we first need to dedicate at least another day to increased searching before we say anything definitive I do believe we will need an update today saying that we are asking stranding networks etc to help step up the search, and we recognize that this whale has surprised us before so we are going to keep looking further before we are sure.

Of course we need to be ready to say same thing to media if asked.

I expect we will try to do that later this morning but we are still deciding that Will keep you posted. Let us know what you are planning.

'Copying Ruth in case she has other thoughts or news.

Thanks

Michael

On Thu, Sep 13, 2018 at 6 36 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote.

Good morning Jim,

Sorry to bother so early, news is traveling fast regarding a possible statement from the CWR. Can you please let us know what you are thinking in terms of response from NOAA. Any idea of the timing?

Sad,

Louise

From: Lubczuk, Jocelyn
Sent: September-13-18 9:12 AM
To: Quinn, Caroline <Caroline.Quinn@dfo-mpo.gc.ca>; Des Rosiers, Marie-Pascale <Marie-Pascale.DesRosiers@dfo-mpo.gc.ca>; Tran, Thi <Thi.Tran@dfo-mpo.gc.ca>; Young, George <George.Young@dfo-mpo.gc.ca>; Mitchell, Laura <Laura.Mitchell@dfo-mpo.gc.ca>
Cc: Hubley, Marian <Marian.Hubley@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.Mcelhone@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>
Subject: Re. J50 - update

Thanks. After you touch base with your colleagues at NOAA - can we have a DFO/Mino call?

Thanks!

Jocelyn Lubczuk
Press Secretary
Fisheries, Oceans and the Canadian Coast Guard
Jocelyn.lubczuk@dfo-mpo.gc.ca
343 548 7863

Sent from my BlackBerry... please excuse typos

From: Quinn, Caroline
Sent: Thursday, September 13, 2018 9:09 AM
To: Des Rosiers, Marie-Pascale; Lubczuk, Jocelyn; Tran, Thi
Cc: Hubley, Marian; McElhone, Kathryn; Jackson, Ashley; ComApproval / Approbation (DFO/MPO)
Subject: J50 - update

Good morning!

We've just been advised that based on 2 days of not observing J50, the US ENGO Centre for Whale Research (which keeps the list of SRKW members) may issue a press release that they presume J50 has died

DFO has been out on the water for the past 2 days and been able to have good observations of Jpod and J16 (J50s mother) and share the concerns that J50 may have died

Our regional colleagues will reach out to NOAA to discuss their proposed comms activities for today and will also develop media lines/social media updates. We will keep you posted as the day progresses.

Thanks,
Caroline

Caroline Quinn

Director, Strategic Communications / Directrice des communications stratégiques

Fisheries and Oceans Canada / Pêches et océans Canada

613-993-2674

--

Michael Milstein

Public Affairs Officer

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NWX-DOC CONF-1
Moderator: Jim Milbury
September 12, 2018
12:00 pm CT

Coordinator: Welcome and thank you all for standing by. At this time, all participants will be in a listen only mode until the question and answer session at the end of today's conference. During the question and answer session, if you would like to ask a question, please press star 1 and record your name when prompted. I would like to turn today's call over to Mr. Jim Milbury. Sir, you may begin.

Jim Milbury: Great. Thank you (Ivy). Good morning everybody and thanks for standing by for the call today. It's going to be for an update of operations for J50. My name is Jim Milbury. I'm a public information officer for NOAA Fisheries. My phone number is (562) 980-4006. And my email is Jim, J-I-M dot Milbury, M-I-L-B-U-R-Y at NOAA.gov. You can use either of those two mechanisms to get a hold of me after this call, if you have any further questions or need updates.

There will be an audio recording of this call as well as a transcript. And I can make those available to you upon request. Again, thanks for joining the call today. We're working closely with our counterparts in Canada, to keep you informed of efforts to support J50 in this southern resident population as a whole.

To let you know, we've announced public meetings to explain our goals and here with the public (unintelligible) This is slowing our progress in the event that we may be able to help J50 Today's call will last for 45 minutes. I do ask reporters to please limit yourself to one question and a follow up. We will get back to you if there is time remaining. So let's begin. I know you probably have quite a few questions.

We have on the call today from NOAA Fisheries, Mr. Chris Yates. That's C-H-R-I-S Yates, Y-A-T-E-S. He's our Assistant Regional Administrator for Protected Resources on the West Coast. We also have Lynne Barre That's L-Y-N-N-E Barre, B-A-R-R-E. She's the NOAA Fisheries Southern Resident Killer Whale Recovery Coordinator. From Fisheries and Oceans Canada, we have Andrew Thomson, A-N-D-R-E-W and Thomson, T-H-O-M-S-O-N. Regional Director for Fisheries Management. And we also have Mr. Paul Cottrell, P-A-U-L C-O-T-T-R-E-L-L.

In addition, we have Joe Gaydos, J-O-E Gaydos, G-A-Y-D-O-S. He is a Sea Docs Society veterinarian and the last veterinarian to observe J50 up close. And so just let's go ahead and get into it. I'd like to begin the call with opening comments from Chris Yates.

Chris Yates: Thanks Jim Thanks everybody for joining today As Jim mentioned, I oversee the Protected Resources Programs for NOAA Fisheries on the West Coast of the United States And I just want to start by giving some overarching objectives of what NOAA Fisheries and our partners are attempting to accomplish.

And the partnerships are really critical We're fortunate to have the Department of Fisheries and Oceans, on the call today with us. Many partners

- teams of world class veterinarians and marine mammal experts and everyone doing the best they can to try to plan and address a really difficult and challenging situation. I want to explain that NOAA Fisheries' focused objective is that J50 survives in the wild and ultimately contributes to the recovery of southern resident killer whales.

That is the overarching criteria that guides all of our thinking and all of our decision making. We do not intend to intervene or capture J50 in a manner contrary to that objective or when there is any negative impact to her pod or the wild population. We are preparing along with our partners, to rescue J50 if she ultimately is separated from her family unit or strands alive and rescuing her is the only alternative that is before us.

If we were to rescue her all of our focus and effort would be to provide her medical care with the goal of her returning to the wild to contribute to the recovery of southern resident killer whales. It's impossible to state with absolute certainty, every scenario that could come up in the future, but I want to be clear that J50, if she were to be rescued, remaining in captivity permanently does not meet our objective and is an outcome that we very much intend to avoid.

Once again, just to be really clear, everything we're doing and all of the partners with us, our objective is for her to remain in the wild. We want her to survive and we want her to ultimately contribute to the recovery of the southern resident killer whale population. We don't intend to intervene while she's with her family. If we are presented with a situation where a rescue is the only viable alternative, we will rescue her with the intent of providing her short term medical care to be able to release her to the wild and meet our objective.

We won't do anything that has the potential to negatively affect her family unit and everything we will do will be to have her survive so that she can be in the wild and contribute to southern resident killer whale recovery. So with that said, I think that's important. There's a lot of dialog and discussion going on and we want to be very clear in our objectives and the considerations and everything that we're doing is focused on that objective.

We'll obviously have the chance to receive feedback from the public during the public meeting. I appreciate the media's interest in this; I appreciate the media helping us communicate those objectives as clearly as we can; and I thank you for joining today. I'm going to turn it over to Andy from the Department of Fisheries and Ocean, before we turn over to Lynne and Joe, to get into some more of the on water details and preparation. So Andy, you've got the line.

Andrew Thomson: Thanks very much Chris. Yes. So I'm the Regional Director for Fisheries Management for the Canadian Department of Fishery and Oceans for the Pacific Region. And I would just say that from Canada's point of view, we share the objectives that NOAA has laid out. It is our intention to - that really is about the health of J Pod and southern resident killer whales in general. And the return of J50 to the wild should a rescue be necessary, will be the primary goal for us.

This is - we continue to thank NOAA and all the partners involved in this effort, as we work together through this. This is a very challenging situation to address. It's not - this isn't an easy operation to consider and there's a lot of logistical challenges as well as, you know, insuring that everyone is prepared for, you know, what could happen. So we continue to work through that with NOAA and the other partners involved, including on the Canadian side, the Vancouver Aquarium and others.

So we I think, are trying to be in the best prepared position as possible should a rescue be required through separation of live stranding of J50 So we obviously all hope that that's not necessary.

Jim Milbury: Okay. Thank you. Thanks very much Andrew I think if you're - we'll go ahead and turn over to Lynne Barre to talk about operations on the water.

Lynne Barre Thanks. This is Lynne You know, we've been watching J50's condition declining over recent weeks, to the point where, you know, she's emaciated as the aerial photographs and the photogrammetry analysis has documented And also, you know, at times lagging behind her family, which has been, you know, reported by a number of our partners monitoring the whales on the water. We've focused on some of the remote sampling of (breath) and feces and treatment, using antibiotics. But, you know, through this process we've not gotten definitive kind of results, to diagnose a specific condition and have not seen any improvement in her condition over that time

So we're still working on potential administration of deworming medication remotely, but at that point if we're successful there, you know, we believe we've exhausted our kind of reasonable remote treatment options kind of based on her current condition. And we're really concerned about her ability to survive. So the next step from a treatment perspective, could be to do a physical examination to get more information to diagnose kind of illness or underlying condition, to be able to target treatment

You know, as mentioned, we're considering these additional steps because she is an important part of the population - young, female has the potential to, you know, be a functioning part of her family and contribute to recovery of the population into the future. So we've - as outlined, we've considered a rescue

and medical care and returning her to the wild in a situation that will support her as well as not impact any of the other whales in her family or in the population

So we've considered the conditions of separation or stranding, as some of those conditions that would lead us to take additional steps, knowing that, you know, our overriding, overarching objective is to provide her with the best chance of survival and make sure she can be, you know, part of her family group moving forward. And we won't put other whales at risk, to do that.

This is an incredibly challenging undertaking. A lot of variables; a lot of unknowns, and we really appreciate the field teams and experts that we've been consulting with, helping think through all the options in advance, so that we can be prepared. Working to have staffing and resources and plans in place so we're ready to go should we make that determination. And I'll invite Joe to kind of add any additional observations from his last time with her, from a veterinary perspective. Thanks.

Dr. Joe Gaydos: Sure. Thank you Lynne. My name is Joe Gaydos. I work for the UC Davis Wildlife Health Center Sea Docs Society program. And I was the last wildlife veterinarian as part of a larger veterinary team, to see J50 on Friday, September 7th. And to the best of my knowledge, I don't think that she's been sighted since then or if so, just in passing conditions by the public.

But at that time she was - it was striking to me how thin she was. I'd seen her two weeks prior on an observation mission and she was really, really thin. She was thin when I saw her two weeks before and I was surprised at how thin she had really become - the thinnest killer whale that I've ever seen. But at that same time she was still keeping up with her brother, her mother was in

the area. She was like this, you know, little Energizer Bunny that just keeps going and going; definitely captured our hearts.

But I don't want to leave you in any false of this is a very sick whale. She's probably so thin now that she's lost some of the fat insulates them and provides food, but it also helps them hydrodynamically in the water. And so she's reached a point now where she's actually working harder to move through the water than an animal that's in good condition. So this - it's a very sick animal right now.

Obviously as veterinarians, with a captive animal you would get your hands on it and make a diagnosis as soon as possible. That's not really possible for her right now. And as Lynne said, we tried some treatments - long acting antibiotic and we're trying to get a secondary medication, a de-wormer into her, not because we have a diagnosis for what's going on, because we still don't have a diagnosis. But we think both of these treatments could benefit her in the condition that she's in right now.

But without making any further steps, getting our hands on her, looking at ultrasound, endoscopy, bloodwork, things like that, it's really difficult for us to know - it's impossible for us to know what's really going on and what sort of treatment she would need.

Jim Milbury: Okay, thanks. Thanks everyone for your comments. (Ivy), I think we can open it up for questions now.

Coordinator. Thank you. We would now like to open the lines for any questions. If anyone does have a question, please hit star 1, unmute your phone and record your name when prompted. Again, that's star 1 to ask a question. One moment

while we wait for questions. We do have a couple in queue. And the first one is from Mary Griffin from CHEK News. Your line is open.

Mary Griffin Oh, hi. Thanks very much. I'm just wondering - I think I read somewhere this morning that any other whale that has been previously seen in this condition would already be dead. So I'm just wondering if you've got a timeline. I know that you were talking about - Lynne Barre was talking about all the planning and I can't even imagine coordinating this sort of thing, but is there like a date, a hard date that you've got, to get her? Because I'm imagining time is of the essence now.

Dr Joe Gaydos: Yes This is Joe Gaydos. I can comment from a veterinary perspective. We do know that other killer whales that have showed up with this what we call Peanut Head, where they lose all their nuchal fat, that out of those whales historically, we've lost 11 of those 13 whales And so - but she's a whale that's had this sort of loss of nuchal fat, this Peanut Head, this extreme emaciation for well over a month now, and just continues to get thinner

We don't have, you know, we'd love to have that magical crystal ball and say hey, she has a week left; she has two weeks left. We don't think that she has long, but we can't really give a day or a week count for how long she has left to go

Mary Griffin: No. I'm not saying for her I'm just wondering is there a date where you're going to go out and rescue her?

Dr. Joe Gaydos. Okay. I'll leave that for NOAA

Chris Yates: Yes. This is Chris and Lynne can jump in But we are not setting a date where we would go out and rescue J50. We will only rescue J50 if those

conditions that we talked about earlier, develop in a situation where she would be separated from her family or she would be stranded. So that would be the trigger that would prompt us to rescue her. We will not be rescuing her as long as she's with her family unit.

Mary Griffin Thank you

Jim Milbury: Lynne, anything to clarify there?

Lynne Barre No. I think that's right

Jim Milbury Yes.

Coordinator. Thank you Next we have Lynda Mapes from Seattle Times. Your line is open.

Lynda Mapes Good morning. A follow up to Chris's response. We know this whale has an independent streak. She often spends a little bit of time by herself She's acoustically connected to her family, but she's off by herself and then she rejoins them. Sometimes she's fallen behind, but she again has been rejoined by her family So my question is how long would she need to be off by herself before you would enact this intervention?

Are you talking about days that go by when she's by herself; hours? Would you have intervened in the kinds of situations we've seen in the course of her day to day life to date? Or are you talking about a more extreme situation of her being alone and not with her family? We know she spends time by herself; we know she falls behind for brief periods But are you talking about intervening in the kinds of situations we've already seen, or something more extreme that we have not yet seen?

Chris Yates Lynda, I can give you the kind of higher level response to that and then I'd invite Lynne and Joe or anyone else to join. But we have not set a - we don't have a specific trigger in that regard. The trigger would be something that would be more extreme than her behavior that she's exhibited, because her behavior that she's exhibited as you said, she's either connected or quickly reconnects, with her pod. So the type of separation from her pod that we are talking about, is one that indicates that - and a group of experts will help us evaluate it, but indicates that it's something different that we believe that she is further compromised and is unlikely or unable to return to her family.

I think that may be a simplistic way of stating it, but I'd let Lynne or Joe or anybody help me clarify that further. Hopefully that answers your question Lynda.

Lynda Mapes Not really. I mean I guess what I'm looking for is something that gives the public a better understanding of exactly what your trigger would be. Does she have to be alone for a day? I mean we saw her left behind by a couple nautical miles just the other weekend and everyone thought she was gone and in fact she was not gone. She showed up the next morning with her family. So I think the public needs a better understanding of just when NOAA would act and when you wouldn't.

Chris Yates: Well we'll act when - as I said, when we believe that her separation or her condition or stranding indicates that medical intervention and rescue is really the alternative that's before us, that we don't believe that she'll be reconnecting with her pod.

Lynne Barre And I'll just add I think, you know, that's the type of information we're continuing to collect is, you know, what is the distance, what is the timing,

what's, you know, acoustic connections; as well as, you know, what are the other variables that make this so challenging, as far as, you know, timing and weather and safety of J50, her family and our response team.

Dr. Joe Gaydos: This is Joe Gaydos just commenting. We had a group meeting with a lot of killer whale experts on Monday. And the topic came up and what the experts said, and these were people that have long histories of observing animals on the water, observing them from air using drones, and then also people that listen to them acoustically is that it was - they felt uncomfortable setting certain time or distances, but would rather rely on NOAA coming back to them and using expert opinion.

You know, I think obviously if she is in a small embayment, whales are miles and miles and miles away from her and can be identified; she's not making any movement to get there, I think it's dramatically different then if she is even five or six miles behind them, but still moving in that same direction. She's acoustically connected, she obviously has - is making a go at getting that. These are the sorts of things that we've seen before. Those definitely wouldn't indicate that an intervention - it wouldn't be the time for the intervention.

But I think that people are feeling like hey, this is going to be an expert call by these people that have way more experience than I do at this.

Jim Milbury: Okay. Can we go onto the next question please?

Coordinator: Yes. Absolutely. Next we have Sharon Kivisto from San Juan Islander.
Your line is open.

Sharon Kivisto: Okay. Thank you. I was wondering, do you - how much - suppose you do have to rescue her and you do testing and stuff, can you do - I don't - I hope this doesn't sound silly, but can you do like surgery if you find out she has some kind of blockage or something? Or what are the limits of what you can do to help her regain her health?

Dr. Joe Baylor. This is Joe. I'll comment on that from a veterinary perspective So we've already worked up a whole contingency plan for diagnostics and potential treatment with experts on hand Sharon. And that goes everything from doing a hearing test, doing endoscopy which would put a tube down their throat into their first part, maybe the second part of the stomach. Also taking bloodwork, doing ultrasound.

If we were say to put an endoscope down and she has five plastic bags in her stomach, that's a pretty straightforward procedure and it's been done many times, to remove those sorts of things If she has a congenital malformation that would require surgery, surgery is very, very hard on these animals from an anesthetic protocol. This is an animal that can hold their breath for a half an hour, right? And it's also very difficult on a 1000 pound animal as well.

So I think there's always a chance we can be faced with making a diagnosis that could not be corrected Right now everything in the book is possible, because we really don't know what's going on with her.

Sharon Kivisto: Okay. Thank you

Coordinator: Thank you. Next we have Justine Hunter from the Globe and Mail Newspaper. Your line is open.

Justine Hunter: Thank you I'm wondering if you can give me an overview of what resources you will have on the water. You don't even know where she is right now, it sounds like. So if, you know, how many different vessels are out there, how many people are out there; and does it make a difference what side of the border she's spotted in, in terms of how you determine that issue around rescuing and the protocol?

Andrew Thomson: It's Andy Thomson I'll start the answer for Fisheries and Oceans and I think Chris might - Chris or Lynne can answer or NOAA. So in terms of how many vessels we have out on the water, we do have our marine mammal program out currently We know that the J Pod was spotted yesterday and it was near the Fraser River, so we'll be obviously looking to see if we can spot J Pod today in that same area, and J50 particularly.

I think all - we're working through a series of logistics issues with regard to any intervention So the types of vessels that would be most appropriate, how we would get them in place fast We do have vessels on the water currently As I say, we have the ability to move other vessels in place if there is a need to support from a, you know, protecting the area sort of thing. So, you know, I think we are working through a number of those logistics issues

In terms of which side of the border, you know, I would say that Canada and the United States, both agencies and partners are working together on this, and so it's a pretty fluid operation. Obviously there are different laws and regulations that they're slightly different on both sides of the border. But we share a common goal of trying to do what's best for J Pod and what's best for J50 in this.

And so we're working through the, you know, the legislative pieces of it, but I don't see those being any barrier to actually enacting a rescue or where I'm

standing, rescue if need be. So, you know, it's really a matter of trying to be as cooperative as the agencies can be in doing the right thing as opposed to worrying about the smaller regulatory details

Jim Milbury: Lynne, I'd let you jump in just to talk about the preparation.

Lynne Barre: Sure. Well as far as kind of on water efforts, you know, our team is ready to go as well and was on the water doing observations also. A number of other eyes and ears out there with whale watch industry, with our monitoring groups like Sand Watch and Strait Watch with enforcement patrols that have been on the water. So we've had a great team of partners - University of Washington is also connecting research along with Center for Whale Research and we've got the photogrammetry team.

So many eyes and ears out there to help us keep an eye on kind of where the whales are, where J Pod is, if there is any sightings of J50 and her family group as well. We've been working with a number of experts to just have the equipment in hand and the experts kind of weighing in and we've got names of - to work through that assessment and what would be the different tests; what equipment do we need; what machinery to do, you know, kind of immediate diagnostics on hand

And then just considering all other options as well - if we do have a situation to treat her in a rehabilitation or if the, you know, the stranding occurs and we're not able to locate her family right away. So we've been working with our - NOAA's Manchester laboratory on identifying a net pen that we can use for that temporary rehabilitation and treatment until we can release her back to the wild. A lot of different details and a lot of logistics to think about and get in and prepare for

Jim Milbury: Could we go to our next question please? I'm sorry. We have to just kind of run through this. We're running out of time and there are a lot of folks that are waiting there to ask questions. So go ahead.

Coordinator: Absolutely. Next we have Karin Larsen from CBC News

Karin Larsen: Hi. Thanks very much. My question is about the risk of live capture and whether or not, you know, that for lack of a better term, could push such a sickly animal sort of over the edge. What kind of risk does a live capture pose to this sick young whale?

Dr. Joe Gaydos: This is Joe. I'll take the first stab at that one. I think any time you capture a wild animal there's always risk of trauma and stress and things like that. For this whale that's especially sick, you know, there's obviously the risk that that could be the final push and I think that was probably one of the considerations that NOAA and DFO, one of many considerations that they took into account when they were trying to determine, you know, when would be the best time to do this, what would be the next step and probably why the decision was made to not intervene until she was on her own

So, you know, if she is on her own; she's not following that definitely could be the time where, you know, she may be moving on and picking her up. But I don't think that the capture itself is going to - if she dies during the capture because she's stranded or isolated, she was going to die anyway. And so, you know, the capture is probably not, you know, not necessarily what's going on at that late end stage of the game.

Jim Milbury: Next question please

Coordinator: Thank you. Next we have Simone Del Rosario from Q13. Your line is open

Simone Del Rosario: Thank you. I'm wondering if we can get a few more ideas about what this capture would look like. I know that you guys are working out the planning, but like if it were to happen, where would you keep her? You know, what would that area look like for her location and what kind of space would she have, etc.?

Lynne Barre: We've been pulling together those options for the, you know, rescue or how to respond to a stranding with mobilizing equipment, underactuating vessels, transportation. And as I mentioned, NOAA has a facility, a Manchester lab that does have some net pens and that's - we also have access to a temporary pool to do kind of initial assessment as well. So we're looking at all of the parts that would go into any rescue including a physical health assessment and potentially that rehabilitation phase before release as well.

Simone Del Rosario: Great. Thank you. And then I know that this is a more controversial aspect of our history with the killer whale population, but is there a possibility to like geotag J50 so we don't go a week on end without seeing her?

Lynne Barre: I think our suction cup tag capabilities would not likely be effective in the body condition that she's in right now.

Simone Del Rosario: Okay. Thank you.

Coordinator: Thank you. Next we have Miss (Lee) from the Associated Press. Your line is open.

Miss (Lee): Oh, hi. Could you talk - I know that you're pulling all of these logistics together, but could you say when is the earliest that you could intervene if all the right conditions that you've talked about, fell into place? Would it be

days? And do you have any concerns about, you know, whether and when it's too late to intervene? I mean if she is stranding, isn't that sort of - her possible life? Thanks.

Lynne Barre: Yes. In the event of a stranding we will immediately mobilize all of the resources and put into play all the planning that we've been doing. That would be an immediate response. So I think as every day goes by that we're able to better prepare, that will inform, you know, as we keep tabs on her condition and the potential separation and other circumstances. But we'll be, you know, mobilizing immediately in the event of a stranding.

Miss (Lee) But are you prepared let's say in - over the weekend, if the conditions were right, you know, your objective conditions were right? Could you move as fast as this weekend, in coming days? Are we still talking about weeks?

Lynne Barre: We're doing our best to get everything positioned and placed and ready. Depending on the circumstances, you know, we may need to be calling in additional staffing and just pulling some of those resources together that we have identified. So we're just - this one step at a time as we continue to monitor the situation.

Miss (Lee): Okay. Thank you.

Coordinator. Thank you. Next we have Mr. (Ryan) from KUOW radio. Your line is open.

Mr. (Ryan): Hi. Thank you. Yes. I wonder if there is any estimate of the costs or even a minimum figure of what all the J50 efforts - what's being spent on J50?

Jim Milbury This is Jim. I don't know if anybody on this panel has that information. I can probably try to get back with you on that.

Mr. (Ryan): Okay. And then just with presumably a large amount of expense and expertise being spent on the kind of addressing the symptoms of this one individual, I wonder if there are any trade offs if that's not all going to addressing the causes of the decline of the killer southern residents as a whole. Are there any tradeoffs of all of this focus on J50 versus the whales as a whole?

Chris Yates: This is Chris I can jump into that. You know, I think part of the answer to your first question is that, you know, this is a partnership of many different institutions, organizations, individuals, etc donating or including their efforts and their time and their resources to pull together into his partnership. So that's principally how it's done. Within NOAA Fisheries, clearly Lynne - are working on this topic.

And we're doing so principally for the reason that I started the discussion with is that, you know, this is a young female that is important, perhaps critically important to the recovery of southern resident killer whales. And so it - clearly from our cost/benefit analysis, time and effort well spent. And of course we continue to work on all of the various other threats to the larger population. So I am confident in saying that, you know, the attention to J50 is not stopping our efforts and our consideration of all of the various factors that are going into the status of other resident killer whales overall.

Andrew Thomson: Yes. Thanks Chris and from a Canadian perspective, that's - I would say the same. And we have a marine mammal response program that's in place. We're using those resources and that of our science programs, in order to monitor J50 and J Pod as we would anyway. And so we certainly have those resources in place and are just about in to J50 at this point.

Jim Milbury: Okay Next question please

Coordinator. Thank you. Next we have (Sterling Ifird) from CDC Victoria Your line is open.

(Sterling Ifird): Sure My question is just the last time an orca was captured was Springer in 2002. I'm just wondering what's the working knowledge amongst the people you have, of actually capturing an animal this large?

Jim Milbury Lynne, you're probably the best one to do that.

Lynne Barre. Well myself included, a number of the internal and partners that we're working with, helped work on that rescue action for Springer. So we've got a lot of expertise. Many of those folks also have worked on previous, you know, stranding and response interventions as well. So I think between the killer whale experts and the stranding program and all of our folks, are the best experts that we can bring to the table, to help us evaluate the risks, get logistics and planning in place and have the best chance of successful rescue and release to her family.

Jim Milbury Next question please.

Coordinator. Thank you Next we have (Juan Lee) from the Starving Cougar Your line is open.

(Juan Lee). Hi Thanks. I understand vets will of course (unintelligible), you know, separated from her pod before going in and maybe, you know, ultimately capturing her. But what signs will the team be looking for in J Pod itself, to monitor kind of the effect that losing J50 has maybe on her mother or maybe on her pod, just in terms of family dynamics or maybe even psychologically?

Lynne Barre: Yes. Andy mentioned that there are a number of kind of research teams in place and as part of our ongoing effort for recovery for southern resident killer whales. So those studies are ongoing and will be an opportunity to see what the - kind of the long term outlook is for J16, the family group at J Pod as well as the whole population.

(Juan Lee): Okay. And do we know how wild whales react to this kind of human intervention, when people are putting hands on them and, you know, possibly taking them out of the water? What kind of measures is the team taking to insure that J50 is as comfortable as possible?

Lynne Barre: Yes. As I mentioned, we have a lot of expertise that worked on Springer, worked on other cases, one in New Zealand in recent years, with a killer whale, as well as a lot of experts who have been working on dolphin health assessment work, for example in the Gulf of Mexico, following the Deep Water Horizon oil spill. So there is a lot of knowledge about how these animals react; what we can do to make this the most - limit the stress as much as possible and respond if we are seeing responses in the animal.

There is a wealth of veterinary and marine mammal and kind of dolphin and whale experience

Jim Milbury: Okay. We have time - we've gone over the 45 minutes by a bit. We can take one more question please.

Coordinator: Thank you. We have (Alison Mara) from Sling TV. Your line is open.

(Alison Mara): Hi. Yes. I'm just curious at what point do you decide - say you do get her and it's not something acute like Joe said, a plastic bag or some other disease

issue, you rehabilitate her. Like what signs are you looking for at which point you say okay, now she can return? And then also I'm curious, does the J Pod say oh hey, where - have you been on vacation? Welcome back. Or do they, you know, is there research about how they're accepted back into their family group? Like is it just obvious they were just gone for a little bit and they just take them back? Or is there concern that they might say we're not sure you don't belong here anymore?

Dr. Joe Gaydos Yes. This is Joe Gaydos (Alison). Hi I'll comment on the first part and just a little bit on the second part. The first part is that we have pretty well developed criteria for rehabilitation and release for all stranded marine mammals, (innate) to (ancitaceans) and so they have to follow a number of criteria to be able to survive in the wild on their own, be able to demonstrate that they can forage and capture and find and eat wild food, wild fish in this case, on their own

They have to be free from infectious diseases that we think that they could transmit back into the wild and things like that. So she would have to pass all of those criteria before release. And some of those are physical exam findings such as body condition; some of them are maybe bloodwork and things like that. For the second step I would kind of maybe (turf) that to Lynne, who worked with Springer A73, about her reintroduction, because I think that's a great example of an animal not only being returned to the group of northern residents, but also going on to have some kids and be an active and productive part of that group.

Lynne Barre Yes I think there is a lot of uncertainty on both parts of the question. And, you know, with Springer, we were not certain going in that, you know, how her family would respond. We knew her mother was no longer around. She was orphaned. So it was even, you know, extended members of her family

group that we were reuniting her with. It was immediate as far as their acoustic contact with each other, before Springer was released and was able to reunite.

There was some transition period as far as her either ability to keep up with the other whales or, you know, integrate back into that social structure. But over time, she has been an active member of that A Pod group and as Joe mentioned, she's had two calves of her own. So she was able to kind of fully reintegrate, so that was definitely a success. That gives us some hope, but again, so many uncertainties and variables in all of this that, you know, are very challenging.

Jim Milbury: Okay. Well thank you everyone for joining our call today. We will continue to post our updates on J50 on our Web site. That Web site address is www.WestCoast.Fisheries.NOAA.gov. And just look under the heading of What's New. And if you need us just email me or give me a call and I'll make sure you get the right link. Thank you again and thanks to everybody for taking time to do this - for the panel, for the reporters. I really appreciate it. And again, call or send me an email if you have any questions or need more information.

Coordinator: Thank you all for participation in today's conference. You may disconnect your line and have a great day or a great evening.

END

Girouard, Louise

From: Ruth Howell - NOAA Federal <[REDACTED]>
Sent: Thursday, September 13, 2018 8 17 AM
To: Michael Milstein - NOAA Federal
Cc: Girouard, Louise, Jim Milbury - NOAA Federal, Sloan, Lara, Bate, Dan, Malikian, Janine, Forbes Darby - NOAA Federal
Subject: Re J50 - update possible CWR advisory

Hi all,

No additional thoughts or news, Michael has accurately described the current state of play and our strategy. The statement is our first priority as we're already getting media calls about J50 missing.

Thank you as always for the partnership and we'll stay in touch as this unfolds.

Ruth

On Thu, Sep 13, 2018 at 7:14 AM, Michael Milstein - NOAA Federal <[REDACTED]> wrote:
 Hi Louise,

I do not think we are immediately prepared to make a conclusive statement. CWR does census work for us and typically they make the call as to when a whale is presumed dead. Their standard is that they want to see the family group at least three times without a whale to determine the whale has died, although sometimes they do make the call sooner

My discussion with Ruth late last night was that if they are going to make the call early, that is their choice, but we first need to dedicate at least another day to increased searching before we say anything definitive. I do believe we will need an update today saying that we are asking stranding networks etc to help step up the search, and we recognize that this whale has surprised us before so we are going to keep looking further before we are sure.

Of course we need to be ready to say same thing to media if asked.

I expect we will try to do that later this morning but we are still deciding that. Will keep you posted. Let us know what you are planning

Copying Ruth in case she has other thoughts or news.

Thanks
 Michael

On Thu, Sep 13, 2018 at 6:36 AM, Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca> wrote:
 Good morning Jim,

Sorry to bother so early, news is traveling fast regarding a possible statement from the CWR. Can you please let us know what you are thinking in terms of response from NOAA. Any idea of the timing?

Sad,

Louise

From: Lubczuk, Jocelyn
Sent: September-13-18 9:12 AM
To: Quinn, Caroline <Caroline.Quinn@dfo-mpo.gc.ca>, Des Rosiers, Marie-Pascale <Marie-Pascale.DesRosiers@dfo-mpo.gc.ca>; Tran, Thi <Thi.Tran@dfo-mpo.gc.ca>; Young, George <George.Young@dfo-mpo.gc.ca>; Mitchell, Laura <Laura.Mitchell@dfo-mpo.gc.ca>
Cc: Hubley, Marian <Marian.Hubley@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.Mcelhone@dfo-mpo.gc.ca>, Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; ComApproval / Approbation (DFO/MPO) <ComApproval/Approbation.XNCR@dfo-mpo.gc.ca>
Subject: Re: J50 - update

Thanks. After you touch base with your colleagues at NOAA - can we have a DFO/Mino call?

Thanks!

Jocelyn Lubczuk
Press Secretary
Fisheries, Oceans and the Canadian Coast Guard
Jocelyn.lubczuk@dfo-mpo.gc.ca
343 548 7863

Sent from my BlackBerry... please excuse typos

From: Quinn, Caroline
Sent: Thursday, September 13, 2018 9:09 AM
To: Des Rosiers, Marie-Pascale; Lubczuk, Jocelyn; Tran, Thi
Cc: Hubley, Marian; McElhone, Kathryn; Jackson, Ashley; ComApproval / Approbation (DFO/MPO)
Subject: J50 - update

Good morning!

We've just been advised that based on 2 days of not observing J50, the US ENGO Centre for Whale Research (which keeps the list of SRKW members) may issue a press release that they presume J50 has died.

DFO has been out on the water for the past 2 days and been able to have good observations of Jpod and J16 (J50s mother) and share the concerns that J50 may have died

Our regional colleagues will reach out to NOAA to discuss their proposed comms activities for today and will also develop media lines/social media updates We will keep you posted as the day progresses.

Thanks,
Caroline

Caroline Quinn

Director, Strategic Communications / Directrice des communications stratégiques

Fisheries and Oceans Canada / Pêches et océans Canada

613-993-2674

--
Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office. 503-231-6268

Cell. [REDACTED]
[REDACTED]



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--

Ruth Howell

*Branch Chief for Communications and External Affairs
NOAA Fisheries West Coast Region*

[REDACTED]

206 526 4741 (w)

[REDACTED] c)

Barton, Meagan

From: Sloan, Lara
Sent: September-13-18 9:09 AM
To: Davis, Neil; Cottrell, Paul; Thomson, Andrew; Girouard, Louise
Subject: RE: Leads for J50 Operations & Team Meeting 9/13 @8:30am

I have already asked Michael Milstein at NOAA to let me know right away.

From: Davis, Neil
Sent: September-13-18 8:46 AM
To: Cottrell, Paul; Thomson, Andrew; Sloan, Lara; Girouard, Louise
Subject: RE: Leads for J50 Operations & Team Meeting 9/13 @8:30am

Paul can we ask for a heads up from CWR if they decide to proceed w an announcement so we know the timing? I see NOAA has asked for the same below

From: Cottrell, Paul
Sent: Wednesday, September 12, 2018 9:53 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>
Subject: Fw: Leads for J50 Operations & Team Meeting 9/13 @8:30am

Fyi. The Centre for Whale Research (Ken Balcomb) may be releasing that J50 has passed.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Kristin Wilkinson - NOAA Federal [REDACTED]
Sent: Wednesday, September 12, 2018 9:48 PM
To: Kenneth Balcomb III
Cc: Lynne Barre; Teri Rowles; brad.hanson; Ruth Howell; Michael Milstein - NOAA Federal; Jim Milbury - NOAA Federal; Thomson, Andrew; Cottrell, Paul; Sarah Wilkin - NOAA Federal
Subject: Re: Leads for J50 Operations & Team Meeting 9/13 @8:30am

Ken,

Yes, we did have a brief call with on water folks this evening - we will continue a broad search by water and air tomorrow. We did discuss on the call this evening that we would be deferring to CWR to make the announcement as this has been your role for the population. If you do decide to do that if you wouldn't mind giving a heads up to our Comms Team (Ruth, Michael and Jim are included here) and myself and Brad that would be helpful so we are prepared and consistent.

Either way I'll be on island tomorrow to meet with the team leads just in case she pops up alive and alone somewhere.

Thank you for reaching out and letting us know your thoughts on this,

Kristin

On Wed, Sep 12, 2018 at 6:28 PM, Kenneth Balcomb III [REDACTED] wrote:

Hi Kristin, you may have updated information on what Brad has found, but we do not know of a sighting of J50 in several days of excellent sighting conditions. We have seen her family several times without J50

and presume that she is deceased. From your on water lead, you can make the call. This is the expected outcome.

Ken

On Sep 12, 2018, at 5:57 PM, Kristin Wilkinson - NOAA Federal

wrote:

Hello All,

Dr. Teri Rowles has made selections for lead roles in consultation with the West Coast Region. This work will be done under the Marine Mammal Health and Stranding Response Program permit, 18786-03. Please see the attached logistics plan for this operation. This plan will be reviewed by the team leads and their respective personnel on Thursday, September 13th in person if they are able to meet at the Island Inn at 123 West Street in Friday Harbor at 8:30 am.

West Coast Region Lead: Lynne Barre

Office of Protected Resources Lead: Dr. Teri Rowles

Northwest Fisheries Science Center Lead: TBD

DFO Lead: TBD

Team Coordinator: Kristin Wilkinson

On Water Lead: Brad Hanson and Dr. Teri Rowles

Capture Team Lead: Jon Peterson

Catcher: Jeff Foster

Veterinary Team Lead: Dr. Hendrik Nollens

Animal Care Team Lead: Jon Peterson

Facilities Lead: James Hackett

Liaison with Animal Care: Eric Otjen

Release Lead: NOAA & DFO & Consultation Team

Please feel free to reach out to Teri or I if you have any questions about the attached plan or your role in this operation. Thank you for being willing to be part of this complex and challenging case.

--
Kristin Wilkinson

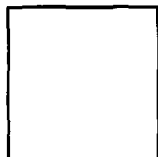
NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



--

Kristin Wilkinson

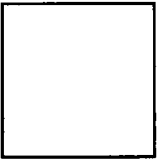
NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

 Cell



Barton, Meagan

From: Sloan, Lara
Sent: September-13-18 10:38 AM
To: Thomson, Andrew; Girouard, Louise
Cc: Malikian, Janine; Michael Milstein - NOAA Federal
Subject: J50 statement Sept 13

Importance: High

For your approval.

Juvenile Southern Resident killer whale J50 has not been seen since her last confirmed sighting on Friday September 7th, 2018 near San Juan Island despite several days of excellent sighting conditions and sightings of J-pod, including her mother J16. We are coordinating closely with our counterparts at NOAA Fisheries West Coast to continue a broad transboundary search by water and air today. Teams are ready to respond if J50 is located and requires medical attention. DFO's Marine Mammal Incident Reporting Hotline is 1-800-465-4336.

NOAA's updated statement will be issued at 11am:

#J50 Update (9/14): Unfortunately J50 has not been seen in several days of favorable conditions and repeated sightings of her pod and family group, including J16, her mother. Teams were on the water searching yesterday and are increasing a broad transboundary search today with our on-water partners and counterparts in Canada. We have alerted the West Coast Marine Mammal Stranding Network, which is a tremendous resource in such situations. Airlines flying in and out of the San Juan Islands are also on the lookout. We greatly appreciate all the help and concern. The hotline for stranding reports is 1-866-767-6114. Further updates at bit.ly/NOAAJ50J35.

From: Sloan, Lara
Sent: September-13-18 10:25 AM
To: Malikian, Janine
Subject: FW: J50 statement Sept 13

For your review.

From: Davis, Neil
Sent: September-13-18 10:07 AM
To: Sloan, Lara; Cottrell, Paul; Girouard, Louise; Bate, Dan
Subject: Re: J50 statement Sept 13

Approved

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Sloan, Lara
Sent: Thursday, September 13, 2018 10:03 AM
To: Cottrell, Paul; Girouard, Louise; Davis, Neil; Bate, Dan
Subject: J50 statement Sept 13

Hi. Our proposed statement for your approval. The timing will be coordinated with the release of NOAA's statement.

Juvenile Southern Resident killer whale J50 has not been seen since Friday September 7th, 2018 near San Juan Island despite several days of excellent sighting conditions and sightings of J-pod and her mother J16. We are coordinating closely with our counterparts at NOAA to continue a broad transboundary search by water and air. Teams are ready to respond should J50 be located and require medical attention. DFO's Marine Mammal Incident Reporting Hotline is 1-800-465-4336.

NOAA's (still being reviewed) statement:

Unfortunately J50 has not been seen in several days of favorable conditions and repeated sightings of her pod and family group, including J16, her mother. We are coordinating closely with our counterparts in Canada to continue a broad transboundary search. We have also alerted the West Coast Marine Mammal Stranding Network, which is a tremendous resource in such situations. Airlines flying in and out of the San Juan Islands are also on the lookout. We greatly appreciate all the help and concern. The hotline for stranding reports is 1-866-767-6114. Further updates at bit.ly/NOAAJ50J35 as news is available.

Lara Sloan | Communications Advisor | Conseillère en communications | Fisheries and Oceans Canada |
Pêches et Océans Canada | Tel: 250.363.3749 | Cel: [REDACTED] Lara.Sloan@dfo-mpo.gc.ca
www.pac.dfo-mpo.gc.ca

Follow us on Twitter! http://twitter.com/DFO_Pacific
Suivez-nous sur Twitter! http://twitter.com/MPO_Pacifique

Barton, Meagan

From: Girouard, Louise
Sent: September-13-18 11:01 AM
To: Sloan, Lara; Thomson, Andrew
Cc: Malikian, Janine
Subject: Re: J50 statement Sept 13

Yes MO. Rebecca FYI. Please.

From: Sloan, Lara
Sent: Thursday, September 13, 2018 10:56 AM
To: Thomson, Andrew; Girouard, Louise
Cc: Malikian, Janine
Subject: J50 statement Sept 13

Do we need Rebecca's approval? MO?

From: Sloan, Lara
Sent: September-13-18 10:48 AM
To: Girouard, Louise; Thomson, Andrew
Cc: Malikian, Janine; Michael Milstein - NOAA Federal [REDACTED]
Subject: RE: J50 statement Sept 13

There is debate on when the last sighting was, so I will change it to be not specific, and to be consistent with NOAA. Janine, please note changes to the first sentence.

Juvenile Southern Resident killer whale J50 has not been seen for many days despite excellent sighting conditions and sightings of J-pod, including her mother J16. We are coordinating closely with our counterparts at NOAA Fisheries West Coast to continue a broad transboundary search by water and air today. Teams are ready to respond if J50 is located and requires medical attention. DFO's Marine Mammal Incident Reporting Hotline is 1-800-465-4336.

NOAA's updated statement will be issued at 11am:

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To: Sloan, Lara; Cottrell, Paul; Girouard, Louise; Bate, Dan
Subject: Re: J50 statement Sept 13

Approved

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From: Sloan, Lara
Sent: Thursday, September 13, 2018 10:03 AM
To: Cottrell, Paul; Girouard, Louise; Davis, Neil; Bate, Dan
Subject: J50 statement Sept 13

Hi. Our proposed statement for your approval. The timing will be coordinated with the release of NOAA's statement.

Juvenile Southern Resident killer whale J50 has not been seen since Friday September 7th, 2018 near San Juan Island despite several days of excellent sighting conditions and sightings of J-pod and her mother J16. We are coordinating closely with our counterparts at NOAA to continue a broad transboundary search by water and air. Teams are ready to respond should J50 be located and require medical attention. DFO's Marine Mammal Incident Reporting Hotline is 1-800-465-4336.

NOAA's (still being reviewed) statement:

Unfortunately J50 has not been seen in several days of favorable conditions and repeated sightings of her pod and family group, including J16, her mother. We are coordinating closely with our counterparts in Canada to continue a broad transboundary search. We have also alerted the West Coast Marine Mammal Stranding Network, which is a tremendous resource in such situations. Airlines flying in and out of the San Juan Islands are also on the lookout. We greatly appreciate all the help and concern. The hotline for stranding reports is 1-866-767-6114. Further updates at bit.ly/NOAAJ50J35 as news is available.

Lara Sloan | Communications Advisor | Conseillère en communications | Fisheries and Oceans Canada |
Pêches et Océans Canada | Tel: 250.363.3749 | Cel: [REDACTED] Lara.Sloan@dfo-mpo.gc.ca
www.pac.dfo-mpo.gc.ca

Follow us on Twitter! http://twitter.com/DFO_Pacific
Suivez-nous sur Twitter! http://twitter.com/MPO_Pacifique

Girouard, Louise

From: Michael Milstein - NOAA Federal [REDACTED] >
Sent: Friday, September 14, 2018 10 53 PM
To: Sloan, Lara
Cc: Girouard, Louise, Jim Milbury, Ruth Howell - NOAA Federal
Subject: Scaling back on U S side

I have begun to indicate to U.S. media that we are scaling back the response on the U S side. While we are not requesting additional dedicated resources beyond today, we are continuing to make the most of our stranding network and all the researchers on the water at this time of year.

Thanks for all your work to collaborate with us on J50. That has been one of the silver linings of all this for me.

We will likely issue an update to this effect in the morning.

--

Michael Milstein
Public Affairs Officer
NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center
Office. 503-231-6268

Cell: [REDACTED]
[REDACTED]



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Girouard, Louise

From: Kristin Wilkinson - NOAA Federal <[REDACTED]>
Sent: Friday, September 14, 2018 4:35 PM
To: Michael Milstein - NOAA Federal
Cc: Sloan, Lara, Cottrell, Paul, Girouard, Louise
Subject: Re: Photo from Saturday?

I just reached out to Giles to see if I could get more information on the photograph. Kristin

On Fri, Sep 14, 2018 at 4:22 PM, Michael Milstein - NOAA Federal <[REDACTED]> wrote:
 I'm having trouble finding the appropriate credit info. I see that Giles said it came from a whale watch captain but I'm not sure which one

On Fri, Sep 14, 2018 at 4:02 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
 Michael - Yes, I do have the photograph and I just emailed it to you. Please scroll through the email to give credit to the right person/whale watcher. Kristin

On Fri, Sep 14, 2018 at 3:56 PM, Michael Milstein - NOAA Federal <[REDACTED]> wrote:
 Would one of you share the photo that Paul mentioned from Saturday of J16 and J50? I think that would be a good public gesture and make clear that we are being frank and open about the realities here. Also it is an important photo the modeling is based on. I would like to share with permission of course.

--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office 503-231-6268

Cell. [REDACTED]
 [REDACTED]



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--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle
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NOAA FISHERIES
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--
Michael Milstein
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--
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NOAA FISHERIES
West Coast Region

Girouard, Louise

From: Sloan, Lara
Sent: Friday, September 14, 2018 4 18 PM
To: Michael Milstein - NOAA Federal
Cc: Malikian, Janine, Girouard, Louise, Bate, Dan; Anderson, Laura
Subject: Fw J50 web update/tweet

Hi Michael. The draft update we are working on is below.
Thanks for sharing the photo.
Lara

Sent from my BlackBerry 10 smartphone on the Bell network.

From: Bate, Dan <Dan.Bate@dfo-mpo.gc.ca>
Sent: Friday, September 14, 2018 3:28 PM
To: Sloan, Lara; Davis, Neil; Anderson, Laura; Cottrell, Paul; Girouard, Louise
Subject: RE: J50 web update/tweet

Yes, we're good with it
Laura has it now

D

From: Sloan, Lara
Sent: September-14-18 3:28 PM
To: Davis, Neil; Anderson, Laura; Cottrell, Paul; Girouard, Louise; Bate, Dan
Subject: Re: J50 web update/tweet

Me neither.
Louise, Dan, are you both happy with this?

Sent from my BlackBerry 10 smartphone on the Bell network.

From: Davis, Neil
Sent: Friday, September 14, 2018 3:23 PM
To: Anderson, Laura; Sloan, Lara; Cottrell, Paul; Girouard, Louise; Bate, Dan
Subject: RE: J50 web update/tweet

Let's go with this, I haven't been able to reach Paul

From: Anderson, Laura
Sent: Friday, September 14, 2018 3:22 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Bate, Dan <Dan.Bate@dfo-mpo.gc.ca>
Subject: RE: J50 web update/tweet

Hi,

Can we make this a little friendlier (green)? If we don't have further details, I'm sending to translation.

Update Sept 14 2018

Our marine mammal response team was out (in the water, on the air?, in the Salish Sea?) again today, searching for J50. Search efforts will continue over the weekend. Emergency rescue plans remain in place in case she is found alive and requires medical attention. If you sight J50, please call our Marine Mammal Incident Reporting Hotline at 1-800-465-4336.

Tweet.

Our marine mammal response team was out searching for Southern Resident #KillerWhale #J50 again today & will continue over the weekend. Emergency rescue plans remain in place If you sight J50, please call us at 1-800-465-4336.

Laura Anderson

A/Team-Lead, Digital Communications
Fisheries and Oceans Canada/Government of Canada
Laura.Anderson@dfo-mpo.gc.ca /Tel: 604-666-0392

Chef d'équipe intérimaire, Communications numériques
Pêches et Océans Canada/Gouvernement du Canada
Laura.Anderson@dfo-mpo.gc.ca / Tél. 604-666-0392

From: Davis, Neil

Sent: Friday, September 14, 2018 3.10 PM

To: Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>; Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Bate, Dan <Dan.Bate@dfo-mpo.gc.ca>; Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca>

Subject: RE: J50 web update/tweet

Some modified wording below. A little rough, so pls polish, but I wanted it to reference efforts today and to make the invitation about sighting J50 more general to any situation, not just stranded on a beach

From: Sloan, Lara

Sent: Friday, September 14, 2018 2.42 PM

To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Bate, Dan <Dan.Bate@dfo-mpo.gc.ca>; Anderson, Laura <Laura.Anderson@dfo-mpo.gc.ca>

Subject: J50 web update/tweet

Here is what I propose for an update, but I'm hoping to get more details from you (Paul or Neil)...

Update Sept 14 2018

The DFO marine mammal response team was out again today, searching for J50. Search efforts will continue over the weekend. Contingency Plans remain in place in case she is found alive and requires medical attention. If you sight J50, please call our Marine Mammal Incident Reporting Hotline at 1-800-465-4336.

Already approved/posted updates

Update September 13 2018

Juvenile Southern Resident killer whale J50 has not been seen for many days despite excellent sighting conditions and sightings of J-pod, including her mother J16. We are coordinating closely with our counterparts

at NOAA Fisheries West Coast to continue a broad transboundary search by water and air today. Teams are ready to respond if J50 is located and requires medical attention. If you see J50 stranded on a beach, please call our Marine Mammal Incident Reporting Hotline at 1-800-465-4336.

Update: September 11 2018

We are working closely with the National Oceanic and Atmospheric Administration (NOAA) to monitor the health of the female juvenile Southern Resident Killer Whale known as J50.

J50's condition has declined over recent months, with a marked decline in August 2018. The latest efforts, including field treatment with antibiotics and anti-parasite medication have not improved her condition. We are working with NOAA and a team of veterinarian experts to develop an emergency rescue plan to respond if J50 becomes separated from her mother and J-pod entirely, or becomes stranded on a beach. Our guiding principle in response planning is for J50 to remain wild where she can contribute to the long-term recovery of the Southern Resident killer whale population, particularly J-pod.

If veterinarians and other experts who assess J50 in the field determine that she can be treated, but requires human care for a limited period of time, she may be transported to a location where diagnostic and treatment equipment is available. If it is determined that J50's illness is not treatable, she would then be returned to J-pod to spend the rest of her natural life with her family.

Also – an account of on-water and air resources assisting in the search for J50.

Marine Mammal Rescue vessel
M Charles mid-water patrol vessel
Straitwatch vessel
Coast Guard helicopter
DFO Enforcement airplane
Floatplane

Teams are ready to respond if J50 is located and requires medical attention.

Lara Sloan | Communications Advisor | Conseillère en communications | Fisheries and Oceans Canada |
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www.pac.dfo-mpo.gc.ca

Follow us on Twitter! http://twitter.com/DFO_Pacific
Suivez-nous sur Twitter! http://twitter.com/MPO_Pacifique

Girouard, Louise

From: Sloan, Lara
Sent: Friday, September 14, 2018 11:33 AM
To: Michael Milstein - NOAA Federal
Cc: Girouard, Louise, Cottrell, Paul
Subject: RE We posted this update

Thanks Michael.

No updates from Paul Cottrell yet, but I'll let you know when I do hear from him.

Cheers,

Lara

From: Michael Milstein - NOAA Federal [mailto: [REDACTED]]
Sent: September-14-18 11:30 AM
To: Sloan, Lara
Subject: We posted this update

I apologize for not sending it sooner

#J50 Update (9/14). The response team continues to search the air and water extensively today near where J50 was last seen for signs of her. The U.S. Coast Guard and the Washington Department of Fish and Wildlife are providing dedicated assets to the search. Contingency planning to rescue J50 is continuing in the event she is found and rescue operations are appropriate. The local Marine Mammal Stranding Network also remains on alert. The hotline for stranding reports is 1-866-767-6114. We will continue to post updates here and at bit.ly/NOAAJ50J35

--

Michael Milstein

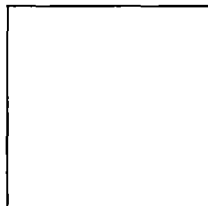
Public Affairs Officer

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Cell [REDACTED]
 [REDACTED]



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Barton, Meagan

From: Dyck, John <John.Dyck@cbsa-asfc.gc.ca>
Sent: September-14-18 9:58 AM
To: Thomson, Andrew
Subject: RE: Daily Debrief - Monday, September 10th, 2018

Based on media reporting I am assuming that this is not proceeding... very sad to hear we weren't able to save the orca.

John

From: Thomson, Andrew [mailto:Andrew.Thomson@dfo-mpo.gc.ca]
Sent: September 13, 2018 10:54 AM
To: Dyck, John <John.Dyck@cbsa-asfc.gc.ca>
Subject: Re: Daily Debrief - Monday, September 10th, 2018

Thanks John. We're beginning to assume that J50 may be deceased based on not seeing her since Friday.

Andrew J L Thomson

Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches
Pacific Region | Région du Pacifique
Fisheries & Oceans Canada | Pêches et Océans Canada

Suite 200 – 401 Burrard St.
Vancouver, BC, Canada V6C 3S4
andrew.thomson@dfo-mpo.gc.ca
Telephone | Téléphone 604.666.0751
Facsimile | Télécopieur 250.666.8069
Government of Canada | Gouvernement du Canada.

From: Dyck, John
Sent: Thursday, September 13, 2018 10:36 AM
To: Thomson, Andrew
Subject: RE: Daily Debrief - Monday, September 10th, 2018

Thanks Andrew.... I have someone reviewing it now and should be able to advise shortly.

From: Thomson, Andrew [mailto:Andrew.Thomson@dfo-mpo.gc.ca]
Sent: September 12, 2018 6:03 PM
To: Dyck, John <John.Dyck@cbsa-asfc.gc.ca>
Subject: FW: Daily Debrief - Monday, September 10th, 2018

John

Here is the current version of the plan.

Andrew J L Thomson
Regional Director | Directeur Régionale
Fisheries Management Branch | Direction de la gestion des pêches

From: Kristin Wilkinson - NOAA Federal [mailto:]
Sent: Wednesday, September 12, 2018 5:59 PM
To: Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: Re: Daily Debrief - Monday, September 10th, 2018

Andy,

Yes, I just sent it out.

Kristin

On Wed, Sep 12, 2018 at 5:05 PM, Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca> wrote:

Kristin

Do you have an updated intervention plan that I can share with my colleagues at Canadian Border Services Agency for them to ensure that there are no regulatory hurdles?

Andrew J L Thomson

Regional Director | Directeur Régionale

Fisheries Management Branch | Direction de la gestion des pêches

From: Kristin Wilkinson - NOAA Federal [mailto:]
Sent: Monday, September 10, 2018 8:26 PM
To: Katy Foster < >; Brad Hanson (NOAA Federal) < >; Holly Fearnbach < >; Teri Rowles < >; John Durban - NOAA Federal < >; Lynne Barre - NOAA Federal < >; Marty Haulena < >; Deborah Giles < >; Michael Milstein - NOAA Federal < >; Scott Rumsey - NOAA Federal < >; Mark Strom - NOAA Federal < >; Ruth Howell < >; Mike Ford < >; Jim Milbury - NOAA Federal < >; Barry Thom - NOAA Federal < >; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Chris Yates - NOAA Federal < >; Forbes Darby - NOAA Federal < >; Kate Naughten < >; John Ewald - NOAA Federal < >; Becker, Penny A (DFW) < >; Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Teresa Mongillo < >; Amilee Wilson - NOAA Federal < >; Jennifer Ise - NOAA Federal < >; Emma Htun - NOAA Federal < >; Samantha Guidon - NOAA Federal < >; Katherine Brogan - NOAA Affiliate < >; Jennie Lyons < >; Deborah Fauquier < >; jeff foster < >; Sarah Mesnick < >; Kevin Werner - NOAA Federal < >; Jim McBain < >; Kimball, Taylor P (DFW) < >; Sarah Wilkin - NOAA Federal < >; James Hackett - NOAA Federal < >; Penny Swanson - NOAA Federal < >; Rick Goetz - NOAA Federal < >; Barry Berejikian < >; Rebecca Ferro < >; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Jenny Atkinson < >
Subject: Daily Debrief - Monday, September 10th, 2018

Good Evening All -

Today I hosted an on water response team and partners meeting in Friday Harbor. The day was very productive filled with good conversation and an in-depth discussion of the logistics plan if J50 were to strand alive or if an intervention was deemed necessary.

Kristin

On Sun, Sep 9, 2018 at 6:17 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:

Hi All,

J pod was off the west side of San Juan today but weather conditions were very poor, J50 and the J16's were not seen by the response team.

Kristin

On Sat, Sep 8, 2018 at 5:48 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:

Hello All,

J pod was not sighted today so there are no updates at this time.

Kristin

On Fri, Sep 7, 2018 at 9:36 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:

Hi Everyone -

Today J50 was seen off Smith Island and headed towards San Juan Island.

Soundwatch, the University of Washington, Northwest Fisheries Science Center, Southwest Fisheries Science Center/SR3 and SeaDoc were all out on the water. J50 was noted to be trailing behind the spread out pod by 1/2 to 1 mile at any given time, looked quite a bit thinner than our encounters with her in late August, and spent more time at the surface and exhibited abnormal surface behavior (head tosses). J50 was observed defecating but too little for any collection to occur. The team was unable to administer the Ivermectin, that will remain a primary goal for the team.

If you haven't seen the Q&A's yet for our emergency response you can view them at: http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/killer_whale/Q_A_j50_emergency_response.html

All for now,

Kristin

On Thu, Sep 6, 2018 at 7:17 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:

Hello All -

J50 was sighted this evening around 5:30 just southeast of Point Roberts by the SWFSC/SR3 research team. J50 was following several hundred yards behind J26, J42, and J36 and was reported to be zipping along to the southeast with other J and L pod whales.

Our response team is at the ready and hopes to administer the Ivermectin the next time we see her.

Kristin

On Wed, Sep 5, 2018 at 8:41 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:

Hi All,

J pod was not sighted today so no on water activities took place by the response team.

We did have several discussions today relevant to J50.

1. We had a transboundary coordination call with Department of Fisheries and Oceans Canada to discuss the intervention options including continued monitoring/sampling/providing medical treatment - physical exam and health assessment - short-term rehabilitation - long-term rehabilitation - and live stranding- including goals for each intervention option, the risks and benefits, and the resources needed.

2. I hosted a call with our veterinary team to discuss new information from samples and observations, priorities (administering Ivermectin) and their recommendations to NOAA Fisheries for next steps.

3. We are continuing discussions with NOAA leadership about circumstances and options for intervention and about communications regarding the intervention options.

Thanks everyone,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



On Tue, Sep 4, 2018 at 7:06 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:

Hello Everyone -

High winds kept response teams off the water on both sides of the border today. J pod was not sighted, only the L12s were accounted for.

Kristin

On Mon, Sep 3, 2018 at 10:22 PM, Kristin Wilkinson - NOAA Federal

<[REDACTED]> wrote:

Hello All -

Wow! What a day! This morning a Pacific Whale Watch Association vessel sighted J pod and alerted Soundwatch. When Soundwatch was on scene at ~10:20 am they identified J50 as present and alive and Center for Whale Research confirmed the identification of J50 at 10:45 am. We quickly mobilized Dr. Marty Haulena of the Vancouver Aquarium to perform a veterinary health assessment using the University of Washington's vessel as a platform.

Dr. Haulena was able administer a second 1/2 dose or slightly more of the broad spectrum antibiotic, Covenia. After spending 2:00 pm- 4:40 pm with J pod the response team stood down to give the whales some space. The Ivermectin (dewormer) was not administered today and is the next veterinary priority for treatment.

Dr. John Durban with NOAA's Southwest Fisheries Science Center and Dr. Holly Fernbach with SR3 were able to fly over J50 and collect aerial images for their photogrammetry research. We are looking forward to comparing the images collected today with the previous image John and his team collected on August 1st to see if there is a measurable change in her overall body condition by looking at J50's eye patch ratio.

J50 was with her family group all day and at noon the J16s, J17s, and J22s were all together for several hours. J50 was noted to be keeping up with the pod.

Multiple research and partner vessels will continue to be on the water throughout September- SWFSC/SR3 Photogrammetry (9/3-9/30), NWFSC D-tagging work (starting field work 9/6), University of Washington conducting fecal sampling, Soundwatch, and WDFW Enforcement as well as our stranding network partner, The Whale Museum and the SeaDoc Society.

We have several vessels that will be on water tomorrow in the U.S. and in Canada and we will continue to coordinate response activities with all of our partners.

Happy Labor Day everyone,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



On Sun, Sep 2, 2018 at 10:15 PM, Kristin Wilkinson - NOAA Federal

wrote:

Hello All -

The response team received reports this morning around 10:30 am of J pod at Turn Point at the tip of Stuart Island in the San Juans. The team included Soundwatch, University of Washington and Dr. Marty Haulena with the Vancouver Aquarium. They linked up mid-afternoon with Center for Whale Research who reported that J16 (mom), J36 (sister), and J26 (brother) were sighted without J50 today. The team searched the area for over 3 hours and did not see J50 during that time. Soundwatch left the scene around 5:10pm where the whales were off Hein Bank and were headed WSW. Center for Whale Research continued the search as they headed back to shore, they ended their day near False Bay with J16 and J26.

The last confirmed sighted we have of J50 with her pod was on Thursday, August 30th south of Carmanah in British Columbia. We have followed up with the PWWA and at this time there are no other confirmed reports of J50 with her pod after August 30th.

Vessels from Center for Whale Research, UW, Soundwatch, WDFW, SWFSC/SR3/Vancouver Aquarium, and the Pacific Whale Watch Association will be on the water tomorrow to collect additional observations of J pod if they remain in the area and confirm if J50 is no longer with her family group.

--

Kristin Wilkinson

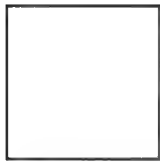
NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



On Sat, Sep 1, 2018 at 7:41 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hello All -

J pod was reported on Friday evening off Lime Kiln so the team was on standby for another sighting to come in this morning. J pod was sighted in Swanson Channel (in Canada) this morning so the team deployed (Soundwatch, UW and Dr. Haulena) to the area. The team did encounter J pod but J16 (mom), J26 (brother) and J50 were not located. We were very hopeful to see J50 today and to administer the second dose of antibiotics and dewormer but no such luck. We are plugged into the sighting networks/PWWA/etc. and hope our chance to see her comes soon.

All for now,
Kristin

On Fri, Aug 31, 2018 at 5:16 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hi All -

J50 was sighted on Thursday, August 30th south of Carmanah, the entire J pod was present. DFO provided the following information, "J16 (mom) and J26 (brother) lag behind the group by 3 nm; J50 is lagging behind them by 0.5nm. At times she may be as close as 0.2 nm behind J16 and J26, but appears to be having difficulty in keeping up."

J pod has been seen today as well and they are headed inland, currently near Sooke, B.C. We have multiple vessels and a veterinarian available for response on Saturday and into the near future.

Have a great holiday weekend everyone,

Kristin

On Thu, Aug 30, 2018 at 5:40 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hi All -

There were no sightings of J pod today. There are no updates at this time.

Kristin

On Wed, Aug 29, 2018 at 7:43 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hello Everyone -

There were no sightings of J pod and no on water activities today.

Kristin

On Tue, Aug 28, 2018 at 7:12 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hello All -

It was another day (day 10) of J pod being out of the San Juan area. We will continue to have a team on standby by through September 4th to provide medical treatment to J50. Several teams of killer whale researchers will be in the area after that timeframe and we will reassess our on water needs after Labor Day.

Kristin

On Mon, Aug 27, 2018 at 4:58 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

I apologize for the incorrect date in the header in the previous email. The below update is for Monday, August 27th.

Hello All -

We continue to have no sightings of J pod in the inland waters of Washington so there are no updates for today. We continue to have a team on standby through Wednesday of this week to provide medical treatment to J50 if we have the opportunity to do so. In the meantime, I have been contingency planning so we are prepared for any scenario that may occur.

Kristin

On Mon, Aug 27, 2018 at 4:56 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hello All -

We continue to have no sightings of J pod in the inland waters of Washington so there are no updates for today. We continue to have a team on standby through Wednesday of this week to provide medical treatment to J50 if we have the opportunity to do so. In the meantime, I have been contingency planning so we are prepared for any scenario that may occur.

Kristin

On Sun, Aug 26, 2018 at 6:12 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Good Evening All -

There were no sightings of J pod today and there are no updates at this time.

Kristin

On Sat, Aug 25, 2018 at 5:12 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Good Evening All -

There were no sightings of J pod today and there are no updates at this time.

Kristin

On Fri, Aug 24, 2018 at 4:21 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hi Everyone -

J50 was seen today by the Pacific Whale Watch Association (PWWA) on the Canadian side. She was reported to be with the J16s and keeping up with them. They were headed inbound for a period of time but have now turned around and are headed west out by the Jordan River. We have requested photographs of J50 from the PWWA to get a visual on her overall condition.

Our team is eager to see J50 and to provide her with a second dose of Covenia and give her a dewormer, one dose of Ivermectin will do the job.

I'll continue to provide daily updates. Have a wonderful weekend everyone!

Kristin

On Thu, Aug 23, 2018 at 5:48 PM, Kristin Wilkinson - NOAA Federal
[REDACTED] wrote:

Hello All -

There are no updates from the field response team on J50 for today.

Kristin

On Wed, Aug 22, 2018 at 6:12 PM, Kristin Wilkinson - NOAA Federal
[REDACTED] wrote:

Hi Everyone -

There was a sighting of J50 by DFO on the evening of Tuesday, August 21st. A superpod (J, K and L) was seen off Carmanah heading towards Nitinat in British Columbia. J50 was reported to be seen with her mom, J16. She was reported to be energetic but still exhibiting the "odd wander off/slightly disoriented behavior" as they have noted in the past. They also saw J16 successfully foraging and J50 came over by her side immediately after the kill. Thank you to DFO for sharing this information with the NWFSC.

There was no on-water response by the team today. Poor conditions with heavy wildfire haze and smoke continue to limit sightings on both sides of the border.

All for now,

Kristin

On Tue, Aug 21, 2018 at 5:32 PM, Kristin Wilkinson - NOAA Federal
[REDACTED] > wrote:

Hi Everyone -

It was another day with no sightings of J pod so there are no updates at this time.

Kristin

On Mon, Aug 20, 2018 at 5:44 PM, Kristin Wilkinson - NOAA Federal
[REDACTED] wrote:

Hello All -

There were no sightings of the Residents today so we have no updates at this moment in time.

We continue to have a response team on standby.

Kristin

On Sun, Aug 19, 2018 at 1:33 PM, Kristin Wilkinson - NOAA Federal
[REDACTED] wrote:

Hello All,

J pod was sighted this morning off of Sooke, British Columbia. The pod is heading west at high speed so our response team is standing down for the day.

There is no debrief call with the response team this evening.

I hope everyone has a nice Sunday,

Kristin

On Sat, Aug 18, 2018 at 10:22 PM, Kristin Wilkinson - NOAA Federal
[REDACTED] wrote:

Hi Everyone,

We did deploy an on-water team today since J pod was sighted early this morning off Sooke, British Columbia. The Sea Doc Society volunteered their vessel for operations through the next week since the NWFSC vessel is off island undergoing repairs.

Behavior: The team spent 3 hours with J50 and her condition was no worse than previously noted but may be a bit better than seen recently. J50 was quite social and traveling and in close contact with her pod. At one point when most animals moved to a higher speed to come across the Strait of Juan de Fuca she kept at her same pace and fell behind but later rejoined her pod. At the end of the day UW observed J16, J50 and her brother foraging at Hannah Heights. Center for Whale Research also noted foraging behavior and we will reach out to see if they would be willing to share that information with us.

Samples: UW collected two large fecal samples from the J16's. One sample was quite gelatinous that was light in coloration and contained blood. This type of sample is seen from time and time and it will be sent in for analysis.

Veterinary care: A visual health assessment was performed today by Dr. Joe Gaydos with the SeaDoc Society. We wanted to reassess her condition after not seeing her all week. The plan for Sunday is to have both Dr. Gaydos and Dr. Haulena on board to provide a second dose of Covenia (antibiotic) and if given the opportunity a dose of Ivermectin (dewormer). Getting a dart into a fast moving animal that surfaces quickly and from a moving vessel is very challenging. If the current needle/dart combination bounces off the surface of J50 the veterinarians will use at their discretion a "collared needle" which will help ensure the entire dose of medication is delivered to her. The needle and dart may temporarily stay in J50 for a period of time but the vet team believes this has little risk to her.

All for now,

Kristin

On Fri, Aug 17, 2018 at 6:25 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hello All -

No sightings of J50 today and no on-water activities took place.

Have a great weekend everyone,

Kristin

On Thu, Aug 16, 2018 at 5:10 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hello All -

No on-water activities took place today with no additional sightings of J50 so we have no updates for today. We continue to have our team of biologists and veterinarians on standby to respond if and when she comes back into the inland waters.

Thanks,

Kristin

On Wed, Aug 15, 2018 at 6:13 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hi Everyone -

Latest Sighting: DFO reported seeing J pod on the evening of August 14th heading westbound near Nitinat, British Columbia with J50 lagging behind ~ 200 yards and L's seen of Swiftsure Bank this morning, August 15th.

Operations for Thursday: Our response team is back on the water with a smaller crew and working from a new vessel, the SeaDoc Molly B. Opportunistic sampling will occur with a focus on observing and photographing predation events. Drone coordination is still pending.

Veterinary priorities: A large fecal sample was collected from J50's pod over the weekend. One initial result came in which showed high levels of *Contracaecum* (nematode parasite) so giving a dose of dewormer would be ideal if given the opportunity to do so. Vet Priorities for Treatment:

1. Covenia - Antibiotic
2. Ivermectin - Dewormer

Fish Trials are on pause until the NWFSC team deploys back into the field in a week or two.

That's all for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



On Sun, Aug 12, 2018 at 10:16 PM, Kristin Wilkinson - NOAA Federal
wrote:

Hello All -

J50 was encountered off of Cattle Point and was seen socializing and holding a steady pace today.

Fecal Sample: A large fecal sample was collected from the NWFSC today from J50's immediate pod. It may be from J16 (mom), J42 (brother), or J50 but it will be sent in for analysis on Monday or Tuesday at the very latest. Dr. Stephen Raverty and Dr. Hendrik Nollens worked on a revised fecal sampling protocol for the team with a tiered approach with diagnostics being the priority.

Fish Trials: The first live fish trial was conducted today with J50 in the immediate area. The Lummi Enforcement vessel (fish deployment), the King Co. Sound Guardian (support vessel), WDFW Enforcement (drone platform), and NWFSC (monitoring and lead on water coordinator) were all on scene. The boats were in the perfect positioning to introduce live Chinook (ranging from 3.5-5 lbs. to 15-20 lbs.) in front of the path of J50. The first attempt was made at 150 m and J50 took a long extended dive at that same moment. The closest the team got while releasing fish was 70 m and released two fish back to back. Some of the larger animals did show interest to fish #2 and #3 but none of them responded after the 4th was released. Drone footage was collected during the operation and the response team will review the footage and then we will have a group discussion about proceeding with a second trial. At this point in time the team believes no fish were consumed but reviewing the drone footage will help confirm that.

Monday Plans: NWFSC will be back out on the water and hopes to observe some predation events and collect fish scales from those events if given the opportunity to do so.

Vet Plans: We are currently ordering more antibiotics and they will be available early this week. If the whales stay around we will have a vet come to administer the second dose of antibiotics.

All for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



On Sat, Aug 11, 2018 at 10:27 PM, Kristin Wilkinson - NOAA Federal
[REDACTED] wrote:

I forgot to mention the below item;

Fish Trial: There was some discussion to trying a live fish trial tomorrow if resources are available to do so. 12 fish have been made available by the WDFW Marblemount Hatchery.

Kristin

On Sat, Aug 11, 2018 at 10:14 PM, Kristin Wilkinson - NOAA Federal
[REDACTED] wrote:

Hello Everyone -

NWFSC and UW were on the water today with J50.

Sample collection: UW was able to collect a small fecal sample from J50's immediate pod today but cannot say with certainty that it is from J50. The sample is too small for the analysis (cytology, microbiology, parasitology, etc.) we would need to do to be performed. The sample will be frozen and sent to Sam Wasser's lab at UW for analysis but it will not be used for J50's case. NWFSC did not collect any samples today (breath, fecal, etc.).

Behavior: When UW was on scene J50 was keeping up with her pod members in a tight flanked directional travel and then later observed in a modified resting state. NWFSC was later on scene with her for 5 hours and noted J50 quickly fell behind in a very strong tidal current and remained stationary in the strong current for ~ 1hr. The tide changed and she began to pick up speed but she did not porpoise along with the other animals and when NWFSC left the scene she was 1km behind the pod.

Foraging: There was a report from a charter company of J50 catching a fish today, the response team is following up for more information. NWFSC did not see evidence of J50 feeding during their time with her even while in prime foraging habitat.

New goals: Dr. Stephen Raverty will be leading an effort to write and prepare a fecal sampling protocol for the on water teams. We will also be working to identify additional sources for UAS capacity for the next week.

J35: Center for Whale Research said that J35 was seen today without her calf.

All for now,

Kristin

On Fri, Aug 10, 2018 at 10:33 PM, Kristin Wilkinson - NOAA Federal

wrote:

Good Evening All -

It was another day on the water for the response team which started with a sighting of killer whales off the west side early in the day which turned out to be transients.

The Lummi Enforcement vessel and the Sound Guardian were deployed to be ready to release live Chinook salmon in the path of J50 if given the opportunity to do so. Since J pod was not in the area the NWFSC, The Whale Sanctuary and the Lummi Tribe rafted together and decided to do a test run of releasing live fish which was deemed beneficial to work through all of the handling and logistics. 10 fish were released alive through the chute and only 1 fish was lost in the transport process. There were significant challenges that faced the team in regards to media and our Communications Team is aware of these concerns and has addressed them.

J50 was located by the response team around 2:30 in Active Pass in Canada and did collect two prey samples from her immediate pod. No fecal or breath samples were collected today. They noted that J50 was energetic and she was keeping up with her pod members. She was observed separated from her pod for 2+ hours.

The veterinarian team had a call earlier in the day to discuss the veterinary health assessment that was performed yesterday. The team felt the live fish trials were still important since we are not sure what is the underlying cause of the emaciation and certain drugs can only be delivered by oral methods (i.e praziquantel for tapeworms, anti-fungal medications). The live fish trials may also be diagnostic if she can eat the offered fish (i.e. would rule out an ingestion or inappetance issues).

Our goals remain the same moving forward:

Assessment:

1. Continue visual documentation of feeding, ingestion and defecation over the weekend. Including capturing photographs and video (preferably from the tower) or using UAS especially during feeding events.
2. Collect fecal to assess pathogens, parasites, etc.

Treatment:

1. Make plans to deliver a second dose of Covenia and a dose of Ivermectin or Moxidectin via dart sometime next week (Tues-Thurs time frame)

J35 was also encountered and was reported to be solid and in robust body condition. It was unclear if she was still carrying the deceased calf but there was something (not sure what) being held in her mouth.

Thank you to the on-water team and to everyone for all of their efforts.

Good night,

Kristin

On Thu, Aug 9, 2018 at 11:08 PM, Kristin Wilkinson - NOAA Federal

> wrote:

Hello All -

It was a very full day filled with several successes towards accomplishing our priorities. These activities were conducted in U.S. waters (although the team did start out in Canada today).

Here is what we achieved:

1. 6 hours on the water with J50
2. A comprehensive veterinary assessment of J50 by Dr. Marty Haulena with the Vancouver Aquarium
3. Breath sample collection
4. Antibiotic injection
5. Collection of fish scales from predation event by her immediate pod
6. Photo, video, and UAS documentation of J50 and the response efforts

J50 was reported to be very active and while she was by herself (not unusual for her behavior) when she was first encountered she joined up with her pod quickly and stayed with them for the remainder of the day. She could keep up with her pod easily, took deep dives, and was not struggling to get to the surface. The team did not see her eat but others in her group were actively feeding and prey sharing was noted. They did note of her small size and how remarkable her emaciation was.

Future goals if we get to spend more time with J50:

1. Collection of a fecal sample
2. Additional observations of her behavior, condition, and predation events
3. Live fish trials may begin as early as Friday

Future goals if we observe J35:

1. Documentation of her behavior, overall condition, and pod dynamic

Other goals:

1. Schedule a veterinary call to discuss the health assessment
2. Send the breath sample to Seattle for analysis
3. Improve on-water communications between the response vessels and coordination staff

A HUGE congratulations to the response team - I am very proud of what they were able to accomplish today. A thank you to the Communications and External Affairs team as well for all of their excellent coverage of our activities and goals.

All for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



On Tue, Aug 7, 2018 at 5:47 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Hello All -

J50 was sighted alive today by DFO off of Port Renfrew. Sheila Thornton will be providing images to the team later today. No on water actions were taken by the response team today.

Our evening call with the debrief team has been cancelled since Sarah Wilkin and I spent the day in Friday Harbor meeting with the core response team. We met for 4.5 hours at Friday Harbor Labs and discussed possible scenarios, near term objectives, and scheduling. The team also identified additional sample collection that would be ideal to have but they will remain secondary to breath, fecal, the veterinary health assessment and antibiotic administration goals.

Once those goals are accomplished we will be working on providing temporary nutritional support therapy to J50. This action is authorized and all of the needed resources are available and in place for deployment.

If we do deploy the response team and encounter J50 we will be working with WDFW Enforcement and Soundwatch to maintain a 500 yard perimeter.

That's all for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



On Mon, Aug 6, 2018 at 9:53 PM, Kristin Wilkinson - NOAA Federal

[REDACTED] wrote:

Good Evening -

It was another day without whales in the inland waters so our response team did not do any photography, sample collection, or perform a health assessment. K and L pod were sighted at Swiftsure Bank by DFO, no sign of J pod.

We were successful at staging all of the needed veterinary supplies at Friday Harbor Labs so they are readily available for the future. Dr. Hendrik Nollens from Sea World flew from San Diego to Friday Harbor today and is poised to conduct a health assessment on J50 and provide an injection of antibiotics to her if given the opportunity tomorrow. Sarah Wilkin, our National Stranding Coordinator also flew to Seattle and Sarah and I will be traveling to the San Juans early tomorrow morning to meet with the core team to discuss logistics and operations for the coming week. We will be on the island coordinating with the team on Tuesday and Wednesday.

The Whale Sanctuary Project and the Lummi Tribe in coordination with NWFSC did a test run today to work through the logistics of the transport of fish. Two vessels were utilized, the King Co. DNR & Parks Sound Guardian and the Lummi Tribe Enforcement vessel. There was a blessing of the fleet and the test run went smoothly with no significant challenges noted. This project is still pending authorization but will be available on Tuesday if given the approval to proceed.

WDFW Enforcement will be doing dedicated Southern Resident Killer Whale patrols over the next 7 days. Our response team will be working in coordination with Enforcement if their assistance is needed for perimeter control or support.

The Communications Team shared the below resources with the team earlier today:

http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/killer_whale/updates-j50-j35.html

Linked from the homepage under What's

New: <http://www.westcoast.fisheries.noaa.gov/index.html>

Linked from J50 news

story: http://www.westcoast.fisheries.noaa.gov/stories/2018/08032018_srkw_j50.html

Short url: <http://bit.ly/NOAAJ50J35>

There is also an email address that the public can use to email us their input and ideas, Killerwhale.help@noaa.gov

All for now, thanks everyone -

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



On Mon, Aug 6, 2018 at 1:57 PM, Kristin Wilkinson - NOAA Federal
[REDACTED] wrote:

Hello All -

The evening debrief calls are going to focus on operations with the core field response team. After the nightly call, I will be providing email updates to all of you with what we accomplished that day and what our next day plans are. Thank you for being flexible and understanding as we get our operations and field teams staffed and organized.

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



On Sun, Aug 5, 2018 at 10:14 PM, Kristin Wilkinson - NOAA Federal
wrote:

Hi Everyone -

Thank you to those of you who were able to join us tonight for the Sunday debrief call. I apologize that I had to ask some of you to sign off since we were at capacity and some of the field response team was unable to sign in.

DFO reported seeing L's and K's west of Port Renfrew but J pod was not sighted today. Heavy fog has been present which has limited sightings of the whales.

We do have some updates on prioritization of field response activities;

1. Sample Collection - breath and fecal
2. Health Assessment & Injection of a long lasting antibiotic via pole syringe if possible, if not, remote delivery via Dan Inject. Dr. Marty Haulena and Dr. Jim McBain are on standby for Monday and Dr. Hendrik Nollens on Tuesday. The antibiotic treatment would not be available until Tuesday.
3. Providing temporary nutritional support therapy to J50 in coordination with The Whale Sanctuary Project, the Lummi Tribe and NWFSC. The Lummi Tribe will be doing a dry run on Monday and will be ready to transport live fish on Tuesday. They would have ~ 12 fish per day. John Gussman will provide UAS services to document the process and whale behavior. Discussions will continue on oral medication treatment.

Communications provided an update from their team about the website, public input, social media (1 post per day), partner engagement, and the daily press call at 10am.

I'll be hosting our consultation team call tomorrow morning from 9:30-11 and will likely head up to the San Juans on Monday night or early Tuesday morning to meet with the team in person.

All for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



On Sat, Aug 4, 2018 at 10:13 PM, Kristin Wilkinson - NOAA Federal [REDACTED] wrote:

Good Evening Everyone -

Thank you to those of you who were able to join us tonight for the Saturday debrief call.

While J50 was not sighted today we can confirm that J pod is headed inland and was last sighted eastbound near Jordan River and Sooke around 7pm. They will likely come into the San Juan area tonight so we are very hopeful we will accomplish on Sunday the below goals;

1. Fecal sample collection from J50 - Deborah Giles, University of Washington
2. Breath sample collection from J50 - Hanson, NWFSC
3. Sample collection of skin if needed, areas of discoloration have been noted - Giles or Hanson
4. Veterinary medical assessment on J50 - Haulena, Vancouver Aquarium (Dr. Haulena will be on Brad Hanson's vessel)
5. Additional imagery and video of J50 by UAS - Durban and Fernbach, SWFSC and SR3 Images of the flukes and overall skin appearance is of interest to the veterinarians as well as respiration rate.
6. After the veterinary health assessment is complete a veterinarian call will be hosted by NOAA Fisheries - timing to be determined. This will be a small group of veterinarians to discuss the best treatment for J50's condition.

The NOAA Communications and External Affairs team provided a very valuable overview of their plans to communicate with the public and with the media. I'll let Ruth and Forbes outline their plan in a separate email. Any media inquiries can be directed to the Communications Team, Michael.Milstein@noaa.gov or via cell at 971-313-1466. Michael did reach out to the news directors in the Seattle area requesting they be mindful of the on-water activities so we can make the most of our time with J50 and the other SRKW's.

Many of you have asked for permission to view the Google Drive, here is a direct link and I will also follow up with an invite. We have all agreed that images will not be shared outside of the

group. <https://drive.google.com/drive/folders/1Gg5Whty6QvPFPYJEUps2PtvTXgRDT5eq?usp=sharing>

We will plan to talk again tomorrow night, Sunday, August 5th at 9pm. Please call into 503-326-7672.

A huge thank you to everyone involved!

Kristin Wilkinson

NOTE: This document contains information that is exempt from disclosure under the Access to Information Act / Loi sur l'accès à l'information. This document contains information that is exempt from disclosure under the Access to Information Act / Loi sur l'accès à l'information.



Girouard, Louise

From: Forbes Darby - NOAA Federal <[REDACTED]>
Sent: Saturday, September 15, 2018 9:19 AM
To: Kurt Russo
Cc: [REDACTED]
 Deborah Giles, PhD, [REDACTED]
 [REDACTED] Katy Foster, [REDACTED]
 [REDACTED] Jim McBain, RHQ - Media PAC, Girouard, Louise,
 Malikian, Janine, Michael Mountain, Sloan, Lara, Amilee Wilson - NOAA Federal, Ruth
 Howell - NOAA Federal, Sarah Mesnick - NOAA Federal, Michael Milstein - NOAA
 Federal, Jim Milbury - NOAA Federal, [REDACTED]
 [REDACTED]
Subject: J50/Scarlet Communications Update 9/15 - active search ended

Good morning,
 Just a quick update. After dedicated search efforts for J50 over the last two days, J50 is still unaccounted for. The team ended its active search last night, but the West Coast Marine Mammal Stranding Network remains on alert, and this is a time of year with many researchers on the water.

We'll post an update to this affect on Facebook and our website shortly. Please check with us online later this morning.

Also, we will continue with our public meetings. Tonight, we'll be at the Friday Harbor High School at 7pm and then Sunday, we'll be in Haggett Hall at the University of Washington at 1pm. We may experiment with Facebook Live for either or both events. Also, the Seattle meeting will be recorded and broadcast locally in the Seattle area at a later date. I'll pass along more information about that when I have it.

Thank you for sharing this information and for all your coordination efforts over the past several weeks. Look forward to seeing those who will be in Friday Harbor or Seattle this weekend.

Forbes
 Cell: 301-651-3511

On Thu, Sep 13, 2018 at 6:21 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:
 Good evening team,
 Just a quick update. We're posting the following to Facebook and our website now.

#J50 Update (9/14 #2): While the Center for Whale Research has declared J50 dead due to multiple sightings of her family without her in the past few days, the response team is continuing their search on the water and in the air. The U.S. Coast Guard is conducting an aerial search and team members are searching by boat in likely locations in U.S. and Canadian waters. We have not given up. The hotline for stranding reports is 1-866-767-6114. We will continue to post updates here and at bit.ly/NOAAJ50J35

On Thu, Sep 13, 2018 at 1:27 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:
 Good afternoon,

We just released a statement on the J50 in coordination with Canada (see below). J50 hasn't been spotted in a couple of days and there's an extensive on-the-water and aerial search underway for her. We're obviously hoping for the best and will update you when we hear anything. In the meantime, we are planning to go forward with our public meetings this weekend.

Forbes

September 13: Unfortunately J50 has not been seen in several days of favorable conditions and repeated sightings of her pod and family group, including J16, her mother. Teams were on the water searching yesterday and are increasing a broad transboundary search today with our on-water partners and counterparts in Canada. We have alerted the West Coast Marine Mammal Stranding Network, which is a tremendous resource in such situations. Airlines flying in and out of the San Juan Islands are also on the lookout. The hotline for stranding reports is 1-866-767-6114.

On Tue, Sep 11, 2018 at 7:58 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:

Good evening all,

Apologies for the delay in getting back in touch. Yesterday, many of the response team partners gathered in Friday Harbor (and the phone) to walk through our draft intervention plan. While there are many details and logistics yet to be fleshed out, the crux of what's in that plan is outlined in our Facebook and website posts today (see below).

Tomorrow at 10am, we'll follow up with a media call to further explain our intervention approach. Then this weekend, we'll host two public town hall meetings in Seattle and Friday Harbor to allow the public the opportunity to share their thoughts with us. We would appreciate your help getting the word out to interested members of the public about these town halls by sharing our Facebook post.

Saturday, September 15
Friday Harbor High School
 @ 7.00 pm

Sunday, September 16
University of Washington
 Haggett Hall Cascade Room
 @ 1 00 pm

Please let me know if I can answer any questions or provide any additional information.

Forbes

#J50 Update (9/11) -- Two objectives will determine any further effort to help J50: taking appropriate actions with our partners to protect her potential contribution to the recovery of the population, and avoiding harm to the rest of J Pod and the Southern Resident population of 75 whales. The next steps could include further intervention, such as a rescue operation and hands-on physical examination. That could lead to rapid treatment and return to the water, or short-term care and rehabilitation to improve her chances of survival. Response teams would act to rescue J50 only if she becomes stranded or separated from the rest of J Pod such that any risks of intervention to the rest of J Pod are minimized. The overriding priority of any rescue would be to evaluate, treat, and rehabilitate J50 to provide her the greatest chance of survival while ensuring her return and reunification with her family as soon as possible. We will hold two public meetings this weekend to outline options and to hear what you think. The meetings will be Saturday, Sept 15, at 7 p.m. at Friday Harbor High School in Friday Harbor, Wash., and Sunday, Sept 16, at 1 p.m., at the University of Washington, Haggett Hall Cascade Room. Please join us. Find the latest information a bit [ly/NOAAJ50J35](https://www.noaa.gov/j50).

On Sat, Sep 8, 2018 at 5 21 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote

Good afternoon,

Just an update that we posted to Facebook and our website just now. You can see that post below.

September 8: Response teams caught up to J Pod Friday (9/7) off the south end of San Juan Island, and found J50 lagging a half-mile to a mile behind the rest of her family group at times. Veterinarian observations do not indicate J-50's body condition is improving. Unfortunately the team did not succeed yesterday in providing a dose of dewormer, but they hope for favorable conditions today to try again. Concern for J50 is rapidly growing. We are working with our Canadian counterparts at Fisheries and Oceans Canada (DFO) to carefully evaluate options. Our highest priorities are to do all we can to ensure J50 remains a contributing part of the Southern Resident killer whale population and to prevent any harm to her and her family under any potential response scenario. That is the bottom line

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

2725 Montlake Blvd E

Seattle, WA 98112

Office 206-302-2474

Cell [REDACTED]

--
Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

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Seattle, WA 98112

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Cell [REDACTED]

--
Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

Barton, Meagan

From: Davis, Neil
Sent: September-17-18 9:18 AM
To: Girouard, Louise; MacConnachie, Sean; Cottrell, Paul; Thomson, Andrew; Kennedy, Eddy; Sloan, Lara
Cc: Moore, Kendra; Scott, Paul G; Thornton, Sheila; Lowe, Carmel
Subject: RE: Daily Debrief - Saturday, September 8th, 2018

Thanks Louise and Paul,

From what I can gather, I don't think that we are yet at the point where all experts would be comfortable with a definitive statement – none have made such a statement yet. I think the message at this stage is as outlined below: an enormous effort has been made over the past week to find J50, we continue to make search efforts, however the likelihood of her survival at this stage is very low, as such, search efforts have been ramped down though we remain on standby to investigate any sightings. I think we should also consider a line addressing her potential death – something like DFO also has response plans in place in the unfortunate event that J50 has died and her body is discovered. Recovery of her body will be critical to help understand the causes of her death and what might be done to prevent similar deaths in the future.

From: Girouard, Louise
Sent: Monday, September 17, 2018 9:12 AM
To: MacConnachie, Sean <Sean.MacConnachie@dfo-mpo.gc.ca>; Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>
Cc: Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>
Subject: RE: Daily Debrief - Saturday, September 8th, 2018

We are getting the same question from MinO so would be helpful to get details. We agree from a comms perspective, would be important to coordinate.

As an FYI – here is the operational update I sent to MinO and NHQ this morning: (taken from Paul's updates from the weekend and today's activities)

By way of update of activities:

- DFO MM rescue and Strait watch were on the water over the weekend.
- There were several reports into the DFO BC marine mammal response networks 24 hr 1-800# over the weekend of sightings of lone cetaceans which callers believed could have been J-50. DFO marine mammal rescue responded to all three reports.
- One report was a pacific whitesided dolphin, another was a lone transient killer whale and the third incident could not be confirmed.
- The on-water viewing conditions on Sunday were not very good as there was considerable wind and waves.
- Today DFO MM rescue and Straitwatch are available for on-water response.
- DFO has been coordinating in addition to the DFO on water activities also a network of NGO's, researchers, WW companies and sea plane companies to report any sightings of a lone killer whale.

- For example Harbour Air and Sea Air operations have informed their pilots who fly float planes back and forth all day between Vancouver/Gulf Island/Victoria to call DFO MM rescue if they see a lone killer whale.

We have contacted NOAA to get a debrief of their public consultation meetings held over the weekend and coordinate any further updates. Please note that neither DFO or NOAA have made a definite statement regarding J50 but they are stating that is in "unlikely" that she is alive.

From: MacConnachie, Sean

Sent: Monday, September 17, 2018 9:03 AM

To: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Kennedy, Eddy <Eddy.Kennedy@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>

Cc: Moore, Kendra <Kendra.Moore@dfo-mpo.gc.ca>; Scott, Paul G <Paul.G.Scott@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Lowe, Carmel <Carmel.Lowe@dfo-mpo.gc.ca>

Subject: RE: Daily Debrief - Saturday, September 8th, 2018

Thanks Paul, any thoughts on when and who is going to make the official call about J50 status? I assume in coordination with NOAA?

From: Cottrell, Paul

Sent: September-17-18 7:59 AM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; MacConnachie, Sean; Girouard, Louise; Sloan, Lara

Cc: Moore, Kendra; Scott, Paul G

Subject: RE: Daily Debrief - Saturday, September 8th, 2018

Hi All,

DFO MM rescue and Strait watch were on the water over the weekend. There were several reports into the DFO BC marine mammal response networks 24 hr 1-800# over the weekend of sightings of lone cetaceans which callers believed could have been J-50. DFO marine mammal rescue responded to all three reports. One report was a pacific whitesided dolphin, another was a lone transient killer whale and the third incident could not be confirmed. The on-water viewing conditions on Sunday were not very good as there was considerable wind and waves. Today DFO MM rescue and Straitwatch are available for on-water response.

Cheers,

Paul

From: Cottrell, Paul

Sent: September-14-18 5:09 PM

To: Thomson, Andrew; Davis, Neil; Kennedy, Eddy; MacConnachie, Sean; Girouard, Louise; Sloan, Lara

Subject: Fw: Daily Debrief - Saturday, September 8th, 2018

Hi All,

The attached picture from Saturday evening Sept 8th off the Fraser River has been confirmed to be J50 and likely J16. This is now the last sighting of J50 alive. The next time J16 was observed was without J50. Our focus on the Fraser River Estuary and surrounding area for locating J50 has been the right call.

I was out in the Fraser River Estuary and covered from Pt Roberts to Nanaimo today with no luck locating J50. The CP MMP vessel M Charles was in Georgia Strait and also kept an eye out for J50 and did not find anything. The CP Pal plane checked portions of Georgia Strait from the air. Our Straitwatch HSP partner covered Haro Strait to Boundary Pass and also did not locate J50. Viewing conditions were good today. If J50 has passed her body would sink initially and may re float if in shallow water. This could happen within the next week, we will have to be ready to collect J50 if located. With every day it becomes less likely J50 is alive. I have sent a suggested approach for operations this weekend to Neil for review. We will send along once approved.

Best,
Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Friday, September 14, 2018 8:53 AM
To: Kristin Wilkinson - NOAA Federal
Subject: FW: Daily Debrief - Saturday, September 8th, 2018

Hi Kristin,

I was working back where J50 was last spotted and to me it looks like it was off the Fraser River estuary the evening of Saturday Sept 8th (see thread below). I'm following up to confirm and will let you know. We are trying to best narrow down our search area. The current model would not be effective with a negatively bouyant animal which J50 would be, especially with the reduced blubber layer so please take the model prediction with caution. If J50 passed in shallow water hopefully she becomes positively bouyant but it could take up to a week (basing this on humpbacks we have worked with). We are on water today with multiple boat and air assets. Will let you know if we find anything.

Best,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

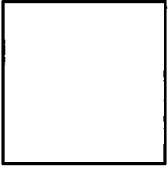
From: Giles [REDACTED]
Sent: Saturday, September 08, 2018 6:48 PM
To: Kristin Wilkinson - NOAA Federal
Cc: Katy Foster; Brad Hanson (NOAA Federal); Holly Fearnbach; Samuel Wasser; John Durban - NOAA Federal; Teri Rowles; Lynne Barre - NOAA Federal; Marty Haulena; Michael Milstein - NOAA Federal; Scott Rumsey - NOAA Federal; Mark Strom - NOAA Federal; Ruth Howell; Mike Ford; Jim Milbury - NOAA Federal; Barry Thom - NOAA Federal; Thornton, Sheila; Chris Yates - NOAA Federal; Forbes Darby - NOAA Federal; Kate Naughten; John Ewald - NOAA Federal; Becker, Penny A (DFW); Cottrell, Paul; Teresa Mongillo; Amilee Wilson - NOAA Federal; Jennifer Ise - NOAA Federal; Emma Htun - NOAA Federal; Samantha Guidon - NOAA Federal; Katherine Brogan - NOAA Affiliate; Jennie Lyons; Deborah Fauquier; jeff foster; Sarah Mesnick; Director Marine Mammal; Kevin Werner - NOAA Federal; Joseph Karl Gaydos; [REDACTED] Jim McBain; Kimball, Taylor P (DFW); Sarah Wilkin - NOAA Federal; James Hackett - NOAA Federal; Penny Swanson - NOAA Federal; Rick Goetz - NOAA Federal; Barry Berejikian; Rebecca Ferro; [REDACTED] Thomson, Andrew; [REDACTED] Jenny Atkinson
Subject: Re: Daily Debrief - Saturday, September 8th, 2018

Here is a picture from this evening of J50 and J16 close together, taken by a whale watch captain.

~~~~~

Deborah A. Giles, PhD  
 Science and Research Director, Wild Orca  
 Research Technologist ~ UW Center for Conservation Biology  
 Resident Scientist ~ University of Washington Friday Harbor Labs  
 (916) 531-1516

Wildorca.org

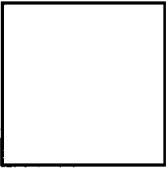


On Sat, Sep 8, 2018 at 6:19 PM, Giles <[REDACTED]> wrote:  
 J50 and J16 were spotted near the coal docks this evening at 1753  
 Photo confirmation. I am seeking permission to share.  
 Giles

~~~~~

Deborah A. Giles, PhD
 Science and Research Director, Wild Orca
 Research Technologist ~ UW Center for Conservation Biology
 Resident Scientist ~ University of Washington Friday Harbor Labs
 (916) 531-1516

Wildorca.org



On Sat, Sep 8, 2018 at 5:48 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
 Hello All,

J pod was not sighted today so there are no updates at this time.

Kristin

On Fri, Sep 7, 2018 at 9:36 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
 Hi Everyone -

Today J50 was seen off Smith Island and headed towards San Juan Island.

Soundwatch, the University of Washington, Northwest Fisheries Science Center, Southwest Fisheries Science Center/SR3 and SeaDoc were all out on the water. J50 was noted to be trailing behind the spread out pod by 1/2 to 1 mile at any given time, looked quite a bit thinner than our encounters with her in late August, and spent more time at the surface and exhibited abnormal surface behavior (head tosses). J50 was

observed defecating but too little for any collection to occur. The team was unable to administer the Ivermectin, that will remain a primary goal for the team.

If you haven't seen the Q&A's yet for our emergency response you can view them at: http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/killer_whale/Q_A_j50_emergency_response.html

All for now,

Kristin

On Thu, Sep 6, 2018 at 7:17 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hello All -

J50 was sighted this evening around 5:30 just southeast of Point Roberts by the SWFSC/SR3 research team. J50 was following several hundred yards behind J26, J42, and J36 and was reported to be zipping along to the southeast with other J and L pod whales.

Our response team is at the ready and hopes to administer the Ivermectin the next time we see her.

Kristin

On Wed, Sep 5, 2018 at 8:41 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hi All,

J pod was not sighted today so no on water activities took place by the response team.

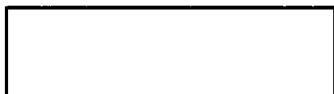
We did have several discussions today relevant to J50.

1. We had a transboundary coordination call with Department of Fisheries and Oceans Canada to discuss the intervention options including continued monitoring/sampling/providing medical treatment - physical exam and health assessment - short-term rehabilitation - long-term rehabilitation - and live stranding- including goals for each intervention option, the risks and benefits, and the resources needed.
2. I hosted a call with our veterinary team to discuss new information from samples and observations, priorities (administering Ivermectin) and their recommendations to NOAA Fisheries for next steps.
3. We are continuing discussions with NOAA leadership about circumstances and options for intervention and about communications regarding the intervention options.

Thanks everyone,

--

Kristin Wilkinson
NOAA Fisheries, Protected Resources Division
West Coast Region, Based in Seattle
Regional Stranding Coordinator, Washington & Oregon
206-526-4747 Office
[REDACTED] Cell



On Tue, Sep 4, 2018 at 7:06 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hello Everyone -

High winds kept response teams off the water on both sides of the border today. J pod was not sighted, only the L12s were accounted for.

Kristin

On Mon, Sep 3, 2018 at 10:22 PM, Kristin Wilkinson - NOAA Federal

wrote:

Hello All -

Wow! What a day! This morning a Pacific Whale Watch Association vessel sighted J pod and alerted Soundwatch. When Soundwatch was on scene at ~10:20 am they identified J50 as present and alive and Center for Whale Research confirmed the identification of J50 at 10:45 am. We quickly mobilized Dr. Marty Haulena of the Vancouver Aquarium to perform a veterinary health assessment using the University of Washington's vessel as a platform.

Dr. Haulena was able administer a second 1/2 dose or slightly more of the broad spectrum antibiotic, Covenia. After spending 2:00 pm- 4:40 pm with J pod the response team stood down to give the whales some space. The Ivermectin (dewormer) was not administered today and is the next veterinary priority for treatment.

Dr. John Durban with NOAA's Southwest Fisheries Science Center and Dr. Holly Fernbach with SR3 were able to fly over J50 and collect aerial images for their photogrammetry research. We are looking forward to comparing the images collected today with the previous image John and his team collected on August 1st to see if there is a measurable change in her overall body condition by looking at J50's eye patch ratio.

J50 was with her family group all day and at noon the J16s, J17s, and J22s were all together for several hours. J50 was noted to be keeping up with the pod.

Multiple research and partner vessels will continue to be on the water throughout September- SWFSC/SR3 Photogrammetry (9/3-9/30), NWFSC D-tagging work (starting field work 9/6), University of Washington conducting fecal sampling, Soundwatch, and WDFW Enforcement as well as our stranding network partner, The Whale Museum and the SeaDoc Society.

We have several vessels that will be on water tomorrow in the U.S. and in Canada and we will continue to coordinate response activities with all of our partners.

Happy Labor Day everyone,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell

On Sun, Sep 2, 2018 at 10:15 PM, Kristin Wilkinson - NOAA Federal

wrote:

Hello All -

The response team received reports this morning around 10:30 am of J pod at Turn Point at the tip of Stuart Island in the San Juans. The team included Soundwatch, University of Washington and Dr. Marty Haulena with the Vancouver Aquarium. They linked up mid-afternoon with Center for Whale Research who reported that J16 (mom), J36 (sister), and J26 (brother) were sighted without J50 today. The team searched the area for over 3 hours and did not see J50 during that time. Soundwatch left the scene around 5:10pm where the whales were off Hein Bank and were headed WSW. Center for Whale Research continued the search as they headed back to shore, they ended their day near False Bay with J16 and J26.

The last confirmed sighted we have of J50 with her pod was on Thursday, August 30th south of Carmanah in British Columbia. We have followed up with the PWWA and at this time there are no other confirmed reports of J50 with her pod after August 30th.

Vessels from Center for Whale Research, UW, Soundwatch, WDFW, SWFSC/SR3/Vancouver Aquarium, and the Pacific Whale Watch Association will be on the water tomorrow to collect additional observations of J pod if they remain in the area and confirm if J50 is no longer with her family group.

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



On Sat, Sep 1, 2018 at 7:41 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hello All -

J pod was reported on Friday evening off Lime Kiln so the team was on standby for another sighting to come in this morning. J pod was sighted in Swanson Channel (in Canada) this morning so the team deployed (Soundwatch, UW and Dr. Haulena) to the area. The team did encounter J pod but J16 (mom), J26 (brother) and J50 were not located. We were very hopeful to see J50 today and to administer the second dose of antibiotics and dewormer but no such luck. We are plugged into the sighting networks/PWWA/etc. and hope our chance to see her comes soon.

All for now,
Kristin

On Fri, Aug 31, 2018 at 5:16 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hi All -

J50 was sighted on Thursday, August 30th south of Carmanah, the entire J pod was present. DFO provided the following information, "J16 (mom) and J26 (brother) lag behind the group by 3 nm; J50 is lagging behind them by 0.5nm. At times she may be as close as 0.2 nm behind J16 and J26, but appears to be having difficulty in keeping up."

J pod has been seen today as well and they are headed inland, currently near Sooke, B.C. We have multiple vessels and a veterinarian available for response on Saturday and into the near future.

Have a great holiday weekend everyone,

Kristin

On Thu, Aug 30, 2018 at 5:40 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hi All -

There were no sightings of J pod today. There are no updates at this time.

Kristin

On Wed, Aug 29, 2018 at 7:43 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hello Everyone -

There were no sightings of J pod and no on water activities today.

Kristin

On Tue, Aug 28, 2018 at 7:12 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>
wrote:
Hello All -

It was another day (day 10) of J pod being out of the San Juan area. We will continue to have a team on standby by through September 4th to provide medical treatment to J50. Several teams of killer whale researchers will be in the area after that timeframe and we will reassess our on water needs after Labor Day.

Kristin

On Mon, Aug 27, 2018 at 4:58 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>
wrote:
I apologize for the incorrect date in the header in the previous email. The below update is for Monday, August 27th.

Hello All -

We continue to have no sightings of J pod in the inland waters of Washington so there are no updates for today. We continue to have a team on standby through Wednesday of this week to provide medical treatment to J50 if we have the opportunity to do so. In the meantime, I have been contingency planning so we are prepared for any scenario that may occur.

Kristin

On Mon, Aug 27, 2018 at 4:56 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>
wrote:
Hello All -

We continue to have no sightings of J pod in the inland waters of Washington so there are no updates for today. We continue to have a team on standby through Wednesday of this week to provide medical treatment to J50 if we have the opportunity to do so. In the meantime, I have been contingency planning so we are prepared for any scenario that may occur.

Kristin

On Sun, Aug 26, 2018 at 6:12 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>
wrote:
Good Evening All -

There were no sightings of J pod today and there are no updates at this time.

Kristin

On Sat, Aug 25, 2018 at 5:12 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>
wrote:
Good Evening All -

There were no sightings of J pod today and there are no updates at this time.

Kristin

On Fri, Aug 24, 2018 at 4:21 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hi Everyone -

J50 was seen today by the Pacific Whale Watch Association (PWWA) on the Canadian side. She was reported to be with the J16s and keeping up with them. They were headed inbound for a period of time but have now turned around and are headed west out by the Jordan River. We have requested photographs of J50 from the PWWA to get a visual on her overall condition.

Our team is eager to see J50 and to provide her with a second dose of Covenia and give her a dewormer, one dose of Ivermectin will do the job.

I'll continue to provide daily updates. Have a wonderful weekend everyone!

Kristin

On Thu, Aug 23, 2018 at 5:48 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>
wrote:

Hello All -

There are no updates from the field response team on J50 for today.

Kristin

On Wed, Aug 22, 2018 at 6:12 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>
wrote:

Hi Everyone -

There was a sighting of J50 by DFO on the evening of Tuesday, August 21st. A superpod (J, K and L) was seen off Carmanah heading towards Nitinat in British Columbia. J50 was reported to be seen with her mom, J16. She was reported to be energetic but still exhibiting the "odd wander off/slightly disoriented behavior" as they have noted in the past. They also saw J16 successfully foraging and J50 came over by her side immediately after the kill. Thank you to DFO for sharing this information with the NWFSC.

There was no on-water response by the team today. Poor conditions with heavy wildfire haze and smoke continue to limit sightings on both sides of the border.

All for now,

Kristin

On Tue, Aug 21, 2018 at 5:32 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>
wrote:

Hi Everyone -

It was another day with no sightings of J pod so there are no updates at this time.

Kristin

On Mon, Aug 20, 2018 at 5:44 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>
wrote:

Hello All -

There were no sightings of the Residents today so we have no updates at this moment in time.

We continue to have a response team on standby.

Kristin

On Sun, Aug 19, 2018 at 1:33 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>

wrote:

Hello All,

J pod was sighted this morning off of Sooke, British Columbia. The pod is heading west at high speed so our response team is standing down for the day.

There is no debrief call with the response team this evening.

I hope everyone has a nice Sunday,

Kristin

On Sat, Aug 18, 2018 at 10:22 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>

wrote:

Hi Everyone,

We did deploy an on-water team today since J pod was sighted early this morning off Sooke, British Columbia. The Sea Doc Society volunteered their vessel for operations through the next week since the NWFSC vessel is off island undergoing repairs.

Behavior: The team spent 3 hours with J50 and her condition was no worse than previously noted but may be a bit better than seen recently. J50 was quite social and traveling and in close contact with her pod. At one point when most animals moved to a higher speed to come across the Strait of Juan de Fuca she kept at her same pace and fell behind but later rejoined her pod. At the end of the day UW observed J16, J50 and her brother foraging at Hannah Heights. Center for Whale Research also noted foraging behavior and we will reach out to see if they would be willing to share that information with us.

Samples: UW collected two large fecal samples from the J16's. One sample was quite gelatinous that was light in coloration and contained blood. This type of sample is seen from time and time and it will be sent in for analysis.

Veterinary care: A visual health assessment was performed today by Dr. Joe Gaydos with the SeaDoc Society. We wanted to reassess her condition after not seeing her all week. The plan for Sunday is to have both Dr. Gaydos and Dr. Haulena on board to provide a second dose of Covenia (antibiotic) and if given the opportunity a dose of Ivermectin (dewormer). Getting a dart into a fast moving animal that surfaces quickly and from a moving vessel is very challenging. If the current needle/dart combination bounces off the surface of J50 the veterinarians will use at their discretion a "collared needle" which will help ensure the entire dose of medication is delivered to her. The needle and dart may temporarily stay in J50 for a period of time but the vet team believes this has little risk to her.

All for now,

Kristin

On Fri, Aug 17, 2018 at 6:25 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>

wrote:

Hello All -

No sightings of J50 today and no on-water activities took place.

Have a great weekend everyone,

Kristin

On Thu, Aug 16, 2018 at 5:10 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>

wrote:

Hello All -

No on-water activities took place today with no additional sightings of J50 so we have no updates for today. We continue to have our team of biologists and veterinarians on standby to respond if and when she comes back into the inland waters.

Thanks,

Kristin

On Wed, Aug 15, 2018 at 6:13 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>

wrote:

Hi Everyone -

Latest Sighting: DFO reported seeing J pod on the evening of August 14th heading westbound near Nitinat, British Columbia with J50 lagging behind ~ 200 yards and L's seen of Swiftsure Bank this morning, August 15th.

Operations for Thursday: Our response team is back on the water with a smaller crew and working from a new vessel, the SeaDoc Molly B. Opportunistic sampling will occur with a focus on observing and photographing predation events. Drone coordination is still pending.

Veterinary priorities: A large fecal sample was collected from J50's pod over the weekend. One initial result came in which showed high levels of *Contracaecum* (nematode parasite) so giving a dose of dewormer would be ideal if given the opportunity to do so. Vet Priorities for Treatment:

1. Covenia - Antibiotic
2. Ivermectin - Dewormer

Fish Trials are on pause until the NWFSC team deploys back into the field in a week or two.

That's all for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



On Sun, Aug 12, 2018 at 10:16 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>

wrote:

Hello All -

J50 was encountered off of Cattle Point and was seen socializing and holding a steady pace today.

Fecal Sample: A large fecal sample was collected from the NWFSC today from J50's immediate pod. It may be from J16 (mom), J42 (brother), or J50 but it will be sent in for analysis on Monday or Tuesday at the

very latest. Dr. Stephen Raverty and Dr. Hendrik Nollens worked on a revised fecal sampling protocol for the team with a tiered approach with diagnostics being the priority.

Fish Trials: The first live fish trial was conducted today with J50 in the immediate area. The Lummi Enforcement vessel (fish deployment), the King Co. Sound Guardian (support vessel), WDFW Enforcement (drone platform), and NWFSC (monitoring and lead on water coordinator) were all on scene. The boats were in the perfect positioning to introduce live Chinook (ranging from 3.5-5 lbs. to 15-20 lbs.) in front of the path of J50. The first attempt was made at 150 m and J50 took a long extended dive at that same moment. The closest the team got while releasing fish was 70 m and released two fish back to back. Some of the larger animals did show interest to fish #2 and #3 but none of them responded after the 4th was released. Drone footage was collected during the operation and the response team will review the footage and then we will have a group discussion about proceeding with a second trial. At this point in time the team believes no fish were consumed but reviewing the drone footage will help confirm that.

Monday Plans: NWFSC will be back out on the water and hopes to observe some predation events and collect fish scales from those events if given the opportunity to do so.

Vet Plans: We are currently ordering more antibiotics and they will be available early this week. If the whales stay around we will have a vet come to administer the second dose of antibiotics.

All for now,

--

Kristin Wilkinson
NOAA Fisheries, Protected Resources Division
West Coast Region, Based in Seattle
Regional Stranding Coordinator, Washington & Oregon
 206-526-4747 Office
 [REDACTED] Cell



On Sat, Aug 11, 2018 at 10:27 PM, Kristin Wilkinson - NOAA Federal [REDACTED] wrote:

I forgot to mention the below item;

Fish Trial: There was some discussion to trying a live fish trial tomorrow if resources are available to do so. 12 fish have been made available by the WDFW Marblemount Hatchery.

Kristin

On Sat, Aug 11, 2018 at 10:14 PM, Kristin Wilkinson - NOAA Federal [REDACTED] wrote:

Hello Everyone -

NWFSC and UW were on the water today with J50.

Sample collection: UW was able to collect a small fecal sample from J50's immediate pod today but cannot say with certainty that it is from J50. The sample is too small for the analysis (cytology, microbiology, parasitology, etc.) we would need to do to be performed. The sample will be frozen and sent to Sam Wasser's lab at UW for analysis but it will not be used for J50's case. NWFSC did not collect any samples today (breath, fecal, etc.).

Behavior: When UW was on scene J50 was keeping up with her pod members in a tight flanked directional travel and then later observed in a modified resting state. NWFSC was later on scene with her for 5 hours and noted J50 quickly fell behind in a very strong tidal current and remained stationary in the strong current for ~ 1hr. The tide changed and she began to pick up speed but she did not porpoise along with the other animals and when NWFSC left the scene she was 1km behind the pod.

Foraging: There was a report from a charter company of J50 catching a fish today, the response team is following up for more information. NWFSC did not see evidence of J50 feeding during their time with her even while in prime foraging habitat.

New goals: Dr. Stephen Raverty will be leading an effort to write and prepare a fecal sampling protocol for the on water teams. We will also be working to identify additional sources for UAS capacity for the next week.

J35: Center for Whale Research said that J35 was seen today without her calf.

All for now,

Kristin

On Fri, Aug 10, 2018 at 10:33 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Good Evening All -

It was another day on the water for the response team which started with a sighting of killer whales off the west side early in the day which turned out to be transients.

The Lummi Enforcement vessel and the Sound Guardian were deployed to be ready to release live Chinook salmon in the path of J50 if given the opportunity to do so. Since J pod was not in the area the NWFSC, The Whale Sanctuary and the Lummi Tribe rafted together and decided to do a test run of releasing live fish which was deemed beneficial to work through all of the handling and logistics. 10 fish were released alive through the chute and only 1 fish was lost in the transport process. There were significant challenges that faced the team in regards to media and our Communications Team is aware of these concerns and has addressed them.

J50 was located by the response team around 2:30 in Active Pass in Canada and did collect two prey samples from her immediate pod. No fecal or breath samples were collected today. They noted that J50 was energetic and she was keeping up with her pod members. She was observed separated from her pod for 2+ hours.

The veterinarian team had a call earlier in the day to discuss the veterinary health assessment that was performed yesterday. The team felt the live fish trials were still important since we are not sure what is the underlying cause of the emaciation and certain drugs can only be delivered by oral methods (i.e praziquantel for tapeworms, anti-fungal medications). The live fish trials may also be diagnostic if she can eat the offered fish (i.e. would rule out an ingestion or inappetence issues).

Our goals remain the same moving forward:

Assessment:

1. Continue visual documentation of feeding, ingestion and defecation over the weekend. Including capturing photographs and video (preferably from the tower) or using UAS especially during feeding events.
2. Collect fecal to assess pathogens, parasites, etc.

Treatment:

1. Make plans to deliver a second dose of Covenia and a dose of Ivermectin or Moxidectin via dart sometime next week (Tues-Thurs time frame)

J35 was also encountered and was reported to be solid and in robust body condition. It was unclear if she was still carrying the deceased calf but there was something (not sure what) being held in her mouth.

Thank you to the on-water team and to everyone for all of their efforts.

Good night,

Kristin

On Thu, Aug 9, 2018 at 11:08 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:

Hello All -

It was a very full day filled with several successes towards accomplishing our priorities. These activities were conducted in U.S. waters (although the team did start out in Canada today).

Here is what we achieved:

1. 6 hours on the water with J50
2. A comprehensive veterinary assessment of J50 by Dr. Marty Haulena with the Vancouver Aquarium
3. Breath sample collection
4. Antibiotic injection
5. Collection of fish scales from predation event by her immediate pod
6. Photo, video, and UAS documentation of J50 and the response efforts

J50 was reported to be very active and while she was by herself (not unusual for her behavior) when she was first encountered she joined up with her pod quickly and stayed with them for the remainder of the day. She could keep up with her pod easily, took deep dives, and was not struggling to get to the surface. The team did not see her eat but others in her group were actively feeding and prey sharing was noted. They did note of her small size and how remarkable her emaciation was.

Future goals if we get to spend more time with J50:

1. Collection of a fecal sample
2. Additional observations of her behavior, condition, and predation events
3. Live fish trials may begin as early as Friday

Future goals if we observe J35:

1. Documentation of her behavior, overall condition, and pod dynamic

Other goals:

1. Schedule a veterinary call to discuss the health assessment
2. Send the breath sample to Seattle for analysis
3. Improve on-water communications between the response vessels and coordination staff

A HUGE congratulations to the response team - I am very proud of what they were able to accomplish today. A thank you to the Communications and External Affairs team as well for all of their excellent coverage of our activities and goals.

All for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell

[REDACTED]

On Tue, Aug 7, 2018 at 5:47 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Hello All -

J50 was sighted alive today by DFO off of Port Renfrew. Sheila Thornton will be providing images to the team later today. No on water actions were taken by the response team today.

Our evening call with the debrief team has been cancelled since Sarah Wilkin and I spent the day in Friday Harbor meeting with the core response team. We met for 4.5 hours at Friday Harbor Labs and discussed possible scenarios, near term objectives, and scheduling. The team also identified additional sample collection that would be ideal to have but they will remain secondary to breath, fecal, the veterinary health assessment and antibiotic administration goals.

Once those goals are accomplished we will be working on providing temporary nutritional support therapy to J50. This action is authorized and all of the needed resources are available and in place for deployment.

If we do deploy the response team and encounter J50 we will be working with WDFW Enforcement and Soundwatch to maintain a 500 yard perimeter.

That's all for now,

--

Kristin Wilkinson
NOAA Fisheries, Protected Resources Division
West Coast Region, Based in Seattle
Regional Stranding Coordinator, Washington & Oregon
206-526-4747 Office
[REDACTED] Cell

[REDACTED]

On Mon, Aug 6, 2018 at 9:53 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:
Good Evening -

It was another day without whales in the inland waters so our response team did not do any photography, sample collection, or perform a health assessment. K and L pod were sighted at Swiftsure Bank by DFO, no sign of J pod.

We were successful at staging all of the needed veterinary supplies at Friday Harbor Labs so they are readily available for the future. Dr. Hendrik Nollens from Sea World flew from San Diego to Friday Harbor today and is poised to conduct a health assessment on J50 and provide an injection of antibiotics to her if given the opportunity tomorrow. Sarah Wilkin, our National Stranding Coordinator also flew to Seattle and Sarah and I will be traveling to the San Juans early tomorrow morning to meet with the core team to discuss

logistics and operations for the coming week. We will be on the island coordinating with the team on Tuesday and Wednesday.

The Whale Sanctuary Project and the Lummi Tribe in coordination with NWFSC did a test run today to work through the logistics of the transport of fish. Two vessels were utilized, the King Co. DNR & Parks Sound Guardian and the Lummi Tribe Enforcement vessel. There was a blessing of the fleet and the test run went smoothly with no significant challenges noted. This project is still pending authorization but will be available on Tuesday if given the approval to proceed.

WDFW Enforcement will be doing dedicated Southern Resident Killer Whale patrols over the next 7 days. Our response team will be working in coordination with Enforcement if their assistance is needed for perimeter control or support.

The Communications Team shared the below resources with the team earlier today:

http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/killer_whale/updates-j50-j35.html

Linked from the homepage under What's New: <http://www.westcoast.fisheries.noaa.gov/index.html>

Linked from J50 news story: http://www.westcoast.fisheries.noaa.gov/stories/2018/08032018_srkw_j50.html

Short url: <http://bit.ly/NOAAJ50J35>

There is also an email address that the public can use to email us their input and ideas, Killerwhale.help@noaa.gov

All for now, thanks everyone -

--

Kristin Wilkinson

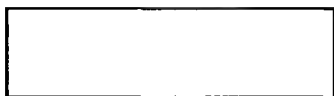
NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell



On Mon, Aug 6, 2018 at 1:57 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]> wrote:

Hello All -

The evening debrief calls are going to focus on operations with the core field response team. After the nightly call, I will be providing email updates to all of you with what we accomplished that day and what our next day plans are. Thank you for being flexible and understanding as we get our operations and field teams staffed and organized.

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

Cell

[REDACTED]

On Sun, Aug 5, 2018 at 10:14 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>

wrote:

Hi Everyone -

Thank you to those of you who were able to join us tonight for the Sunday debrief call. I apologize that I had to ask some of you to sign off since we were at capacity and some of the field response team was unable to sign in.

DFO reported seeing L's and K's west of Port Renfrew but J pod was not sighted today. Heavy fog has been present which has limited sightings of the whales.

We do have some updates on prioritization of field response activities;

1. Sample Collection - breath and fecal
2. Health Assessment & Injection of a long lasting antibiotic via pole syringe if possible, if not, remote delivery via Dan Inject. Dr. Marty Haulena and Dr. Jim McBain are on standby for Monday and Dr. Hendrik Nollens on Tuesday. The antibiotic treatment would not be available until Tuesday.
3. Providing temporary nutritional support therapy to J50 in coordination with The Whale Sanctuary Project, the Lummi Tribe and NWFSC. The Lummi Tribe will be doing a dry run on Monday and will be ready to transport live fish on Tuesday. They would have ~ 12 fish per day. John Gussman will provide UAS services to document the process and whale behavior. Discussions will continue on oral medication treatment.

Communications provided an update from their team about the website, public input, social media (1 post per day), partner engagement, and the daily press call at 10am.

I'll be hosting our consultation team call tomorrow morning from 9:30-11 and will likely head up to the San Juans on Monday night or early Tuesday morning to meet with the team in person.

All for now,

--

Kristin Wilkinson

NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell

[REDACTED]

On Sat, Aug 4, 2018 at 10:13 PM, Kristin Wilkinson - NOAA Federal <[REDACTED]>

wrote:

Good Evening Everyone -

Thank you to those of you who were able to join us tonight for the Saturday debrief call.

While J50 was not sighted today we can confirm that J pod is headed inland and was last sighted eastbound near Jordan River and Sooke around 7pm. They will likely come into the San Juan area tonight so we are very hopeful we will accomplish on Sunday the below goals;

1. Fecal sample collection from J50 - Deborah Giles, University of Washington
2. Breath sample collection from J50 - Hanson, NWFSC
3. Sample collection of skin if needed, areas of discoloration have been noted - Giles or Hanson
4. Veterinary medical assessment on J50 - Haulena, Vancouver Aquarium (Dr. Haulena will be on Brad Hanson's vessel)
5. Additional imagery and video of J50 by UAS - Durban and Fernbach, SWFSC and SR3 Images of the flukes and overall skin appearance is of interest to the veterinarians as well as respiration rate.
6. After the veterinary health assessment is complete a veterinarian call will be hosted by NOAA Fisheries - timing to be determined. This will be a small group of veterinarians to discuss the best treatment for J50's condition.

The NOAA Communications and External Affairs team provided a very valuable overview of their plans to communicate with the public and with the media. I'll let Ruth and Forbes outline their plan in a separate email. Any media inquiries can be directed to the Communications Team, [REDACTED] or via cell at [REDACTED]. Michael did reach out to the news directors in the Seattle area requesting they be mindful of the on-water activities so we can make the most of our time with J50 and the other SRKW's.

Many of you have asked for permission to view the Google Drive, here is a direct link and I will also follow up with an invite. We have all agreed that images will not be shared outside of the group. <https://drive.google.com/drive/folders/1Gg5Why6QvPFPYJEUps2PtvTXgRDT5eq?usp=sharing>

We will plan to talk again tomorrow night, Sunday, August 5th at 9pm. Please call into 503-326-7672.

A huge thank you to everyone involved!

--

Kristin Wilkinson

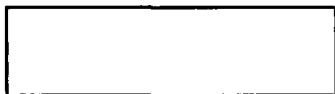
NOAA Fisheries, Protected Resources Division

West Coast Region, Based in Seattle

Regional Stranding Coordinator, Washington & Oregon

206-526-4747 Office

[REDACTED] Cell



Girouard, Louise

From: Girouard, Louise
Sent: Tuesday, September 18, 2018 5:42 PM
To: 'Michael Milstein - NOAA Federal', Davis, Neil
Cc: Sloan, Lara, Cottrell, Paul, MacConnachie, Sean
Subject: RE: J50

Was a pleasure Michael.
 Difficult file made easier thanks to your collaboration and guidance.
 Enjoy being home!
 I am sure we will be in touch.
 L

From: Michael Milstein - NOAA Federal ([REDACTED])
Sent: Tuesday, September 18, 2018 5:13 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>
Cc: Sloan, Lara <Lara.Sloan@dfo-mpo.gc.ca>, Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; MacConnachie, Sean <Sean.MacConnachie@dfo-mpo.gc.ca>
Subject: Re: J50

Sorry for the delay. I finally got back home today. [REDACTED]

We agree with Paul's position. We are saying that J50 is presumed dead, but our stranding network continues to watch.

Part of it for us is respecting CWR's position of determining deaths.

Paul's position acknowledges what everyone realizes by now.

Thank you all for the collaboration on this difficult episode.

On Tue, Sep 18, 2018 at 2:22 PM, Davis, Neil <Neil.Davis@dfo-mpo.gc.ca> wrote:

Did you get Paul's response? I agree w him that we can state that j50 is presumed dead. Would be good to see if science concurs and to check in w noaa

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Sloan, Lara
Sent: Tuesday, September 18, 2018 2:11 PM
To: Michael Milstein - NOAA Federal ([REDACTED]) Davis, Neil; Cottrell, Paul
Cc: Girouard, Louise; MacConnachie, Sean
Subject: FW: J50

Crickets!! Does no one want to talk about J50?

Good morning all. At what point will we be declaring J50 deceased?

Thanks for your thoughts,

Lara

From: [REDACTED]
Sent: September-18-18 10:46 AM
To: Sloan, Lara; Imbeau, Michelle
Subject: J50

Have Canadian scientists given up the search for little J50?

Does Canada now consider J50 deceased?

CTV News Vancouver Island | [REDACTED]
1420 Broad St
Victoria, BC V8W 2B1
Canada



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--

Michael Milstein

Public Affairs Officer

NOAA Fisheries

West Coast Region, Northwest Fisheries Science Center, Southwest Fisheries Science Center

Office 503-231-6268

Cell



NOAA FISHERIES

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www.nmfs.noaa.gov



Barton, Meagan

From: Kristin Wilkinson - NOAA Federal [REDACTED]
Sent: September-24-18 3:19 PM
To: Joseph K. Gaydos; Jennifer Olson; Jenny Atkinson; Candice Emmons; brad.hanson; Deborah Giles, PhD; Katy Foster; Jeff Foster; Marty Haulena; Hendrik Nollens; John Durban - NOAA Federal; Peterson, Jon; Holly Fearnbach; Taylor Shedd; Cottrell, Paul; Eric Otjen; Thornton, Sheila; Thomson, Andrew; Jim McBain; Russ Mullins; Greg Busch; James Hackett - NOAA Federal; Stephen Raverty
Cc: Lynne Barre; Ruth Howell; Michael Milstein - NOAA Federal; Justin Viezbicke - NOAA Federal; Sarah Wilkin - NOAA Federal; Teri Rowles
Subject: Debrief for J50 - Doodle Poll Due 10/1

Hello All -

I hope everyone is well. I'd like to host a response team debrief conference call in early October, please fill out the Doodle poll by next Monday, October 1st if you would like to participate.

<https://doodle.com/poll/wkxxvmg7xpkw3sfq>

Our discussion will focus on the below topics;

1. Lessons learned
2. What can be improved upon for future cases?
3. Are there additional tool developments we need to consider?
4. Is there interest in writing a team publication on this case?

This is your opportunity to share the highs and lows with me with the goal of being proactive to identify needs so we can be better prepared for future cases. If you have additional topics or questions you would like included please feel free to email me and I will add them to the agenda.

Thank you and I look forward to talking with you soon!

--

Kristin Wilkinson
NOAA Fisheries, Protected Resources Division
West Coast Region, Based in Seattle
Regional Stranding Coordinator, Washington & Oregon
 206-526-4747 Office
 [REDACTED] Cell



Girouard, Louise

From: Forbes Darby - NOAA Federal [REDACTED]
Sent: Saturday, August 25, 2018 12 22 PM
To: Kurt Russo, [REDACTED]
 [REDACTED] Deborah Giles, PhD,
 [REDACTED] Katy Foster,
 [REDACTED] Jim McBain, RHQ - Media PAC,
 Girouard, Louise, Malikian, Janine, Anthony Hillaire, Michael Mountain; Sloan, Lara
Cc: Amilee Wilson - NOAA Federal, Ruth Howell - NOAA Federal, Sarah Mesnick - NOAA
 Federal, Michael Milstein - NOAA Federal, Jim Milbury - NOAA Federal
Subject: J50/Scarlet Communications Update 8/25

Good morning,
 It's been awhile since we've provided an update. While there's been a lull in activities with the whales, we've been working on a number of communication pieces including some updated Q&As, a tribal perspective for the webpage, and of course, the video montage you saw earlier in the week.

While we work on those other resources, I want to let you know that short video is now up on Facebook. And we are working on a short update detailing some recent sightings of J50 which we hope to post online later today.

We can't say it enough. We're so appreciative of the cooperation of all the partners in both the on-the-water and behind the scenes work. Let us know how we can be of help.

Forbes

On Sun, Aug 19, 2018 at 5:58 PM, Forbes Darby - NOAA Federal <[REDACTED]> wrote:

Good evening,

Our team put together a short video montage for social media that includes a list of partners at the end. **Would you please give it a look and let us know by 10am on Monday (8/20) if you see anything that causes you heartburn?** Unless we hear back from anyone to the contrary, we'll plan to post this video on our Facebook page on late Monday morning.

Also, we are working on a daily update from yesterday's on-the-water activities. We anticipate posting that later this evening. I'll share that with you when we're ready to post it.

In the meantime, here's a good article on the recent efforts from today's Seattle Times just in case you missed it.

Enjoy your Sunday evening.
 Forbes

Link to the social media video montage.

https://drive.google.com/open?id=1_DkUAgMIKxWJzwAGze9feRT0z2y5RzM

On Tue, Aug 14, 2018 at 4:59 PM, Forbes Darby - NOAA Federal [REDACTED] wrote:

Good afternoon,

Just wanted to share our daily update, which we'll post online shortly (pasted below)

Again, we didn't conduct a media call today, but there continues to be good coverage in a variety of outlets. Here's just a short list of some of the coverage from yesterday which features photos and quotes from many of you

Q13

NOAA not sure if starving orca J50 ate salmon provided during trial feeding

<https://q13fox.com/2018/08/13/starving-orca-j50-didnt-eat-live-salmon-provided-during-emergency-effort/>

Associated Press

Live salmon released for ailing orca, but she doesn't eat it

<https://www.kitsapsun.com/story/news/local/2018/08/13/live-salmon-released-ailing-orca-but-she-doesnt-eat/981008002/>

Yakima Herald/Seattle Times

Scientists attempt to feed live chinook to ailing orca J50, but did she eat?

http://www.yakimaherald.com/news/news_watch/scientists-attempt-to-feed-live-chinook-to-ailing-orca-j/article_1d0853cb-0712-500d-99ba-8c485f859c5e.html

San Juan Islander

NOAA tried to feed J-50 off of the west side of San Juan Island

<http://sanjuanislander.com/news-articles/environment-science-whales/whales-2/27806/noaa-tried-to-feed-j-50-off-of-the-west-side-of-san-juan-island>

King 5 News

Scientists deliver salmon to ailing orca J50

<https://www.king5.com/article/tech/science/environment/scientists-deliver-salmon-to-ailing-orca-j50/281-583645402>

CBC

'Slogging' killer whale J-50 gets live fish delivery in latest attempt to save her

<http://www.cbc.ca/news/canada/british-columbia/j50-live-fish-delivery-chinook-salmon-1.4783362>

Social Media/Website Update

J50/Scarlet Update (8/14): Now that the response team has met all the initial goals for J50 / Scarlet's health assessment and treatment, and J Pod has headed out to open waters, biologists and veterinarians are taking stock of what they have learned so far. They are reviewing video footage and photos and processing samples to gain further insights into J50/Scarlet's health and behavior. @Fisheries and Oceans Canada, @UW, @CenterforWhaleResearch, and other partners continue to monitor the whales and collect fecal and prey samples (e.g., fish scales) when possible. The teams will also review the results of the feeding trial Sunday (8/12) while they determine next steps. We are grateful to all our partners for their help, patience, and support over the past few weeks. The response team thanks all of you who are following this story closely for your support and positive wishes. Recovering these whales and the West Coast salmon runs they depend upon will take all of us. Find out how to help at bit.ly/NOAAJ50J35, where we also share the latest on the response, including photos and video footage.

--

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

2725 Montlake Blvd E

Seattle, WA 98112

Office 206-302-2474

Cell [REDACTED]

--

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

2725 Montlake Blvd E

Seattle, WA 98112

Office 206-302-2474

Cell [REDACTED]

--

Forbes Darby

Communication Program Manager

NOAA Fisheries Northwest Fisheries Science Center

2725 Montlake Blvd E

Seattle, WA 98112

Office. 206-302-2474

Cell [REDACTED]

Barton, Meagan

From: Cottrell, Paul
Sent: September-25-18 2:31 PM
To: Kristin Wilkinson - NOAA Federal; Thornton, Sheila; Davis, Neil; Thomson, Andrew
Cc: Lynne Barre; Teri Rowles; Stephen Manley - NOAA Affiliate; Sarah Wilkin - NOAA Federal
Subject: Re: Debrief and Thank You

Thanks Kristin,
 Yes it was great working with you guys under this challenging, complex situation and really appreciate the trans-boundary cooperation/collaboration. It would be great to have this discussion on how we can continue with the progress we attained under difficult circumstances.
 Thanks again!
 Paul

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Kristin Wilkinson - NOAA Federal
Sent: Tuesday, September 25, 2018 11:04 AM
To: Cottrell, Paul; Thornton, Sheila; Davis, Neil; Thomson, Andrew
Cc: Lynne Barre; Teri Rowles; Stephen Manley - NOAA Affiliate; Sarah Wilkin - NOAA Federal
Subject: Debrief and Thank You

Hello All,

I wanted to reach out to say thank you again for all of your efforts and time spent on J50. While this was a very challenging and complex case it did provide us with the opportunity to create a transboundary plan for future cases. While there is still some work to do on this I think it would be beneficial for us to have a debrief conversation to review what worked well, lessons learned, and next steps.

Please fill out the below Doodle poll by Monday, October 1st. Please feel free to share this email if I missed anyone, my apologies if I did.

<https://doodle.com/poll/9zhm3xh36udtp4at>

Thank you and I look forward to speaking with you in early October.

--

Kristin Wilkinson
NOAA Fisheries, Protected Resources Division
West Coast Region, Based in Seattle
Regional Stranding Coordinator, Washington & Oregon
 206-526-4747 Office
 [REDACTED] Cell



NOAA FISHERIES
West Coast Region

Girouard, Louise

From: Forbes Darby - NOAA Federal [REDACTED]
Sent: Wednesday, September 26, 2018 8 44 AM
To: Kurt Russo
Cc: [REDACTED] Deana Lancaster, Deborah Giles, PhD, [REDACTED] Claytor, Travis, jeff foster, [REDACTED] Katy Foster, [REDACTED], CHARLES VINICK, [REDACTED] Jim McBain, RHQ - Media PAC, Girouard, Louise, Malikian, Janine, Michael Mountain, Sloan, Lara, Amilee Wilson - NOAA Federal, Ruth Howell - NOAA Federal, Sarah Mesnick - NOAA Federal, Michael Milstein - NOAA Federal, Jim Milbury - NOAA Federal, [REDACTED]
Subject: J50 follow-up and new posting on K25

Good morning,
 Just wanted to share a couple of updates that may be of interest to the group.

Ten days ago we hosted two public town hall meetings on the emergency response in Friday Harbor and Seattle. The Seattle Channel filmed the latter meeting. [Video](#) from that meeting is posted online in case you're interested in taking a look.

We received a lot of feedback at those meetings and we're developing answers to questions we received. We'll post an updated Q&A [online](#) in the coming days.

You are likely also aware that another Southern Resident, K25, appears to be in declining condition. John Durban of our Southwest Fisheries Science Center posted a [dedicated science update](#) reporting on his findings, and we posted a [complementary story](#) to our website and on Facebook.

I'll continue to provide intermittent updates as we learn more. In the meantime, thanks for your support and sharing information among your networks as appropriate. Please let me know if I can answer any questions.

Forbes

--

Forbes Darby
 Communication Program Manager
 NOAA Fisheries Northwest Fisheries Science Center
 2725 Montlake Blvd E
 Seattle, WA 98112
 Office 206-302-2474
 Cell [REDACTED]

Stewart, Julie

From: Stewart, Julie
Sent: Wednesday, August 8, 2018 4:49 PM
To: Smith, Kathleen, Winfield, Nicholas
Cc: Busby, Corina, Jackson, Ashley; Saindon, Carole, Davis, Neil
Subject: RE: CTV media call -- Media line for approval

Importance: High

Julie Stewart
Director / Directrice
Species at Risk Program / Programme des Espèces en Péril
200 rue Kent St.
Station 10W061
Ottawa, ON
K1A 0E6

(613) 949-7524 (t)
(c)

Julie.stewart@dfo-mpo.gc.ca

From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 4:33 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>
Subject: FW: CTV media call -- Media line for approval
Importance: High

Hi Nick/Julie,

We just got a media call on the permitting angle.

Don't know who reporter is, we're following up.

However, still seeking your approval ASAP on response below.
Thank you!
Kathleen

From: Jackson, Ashley

Sent: Wednesday, August 8, 2018 4:31 PM

To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>;
Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>

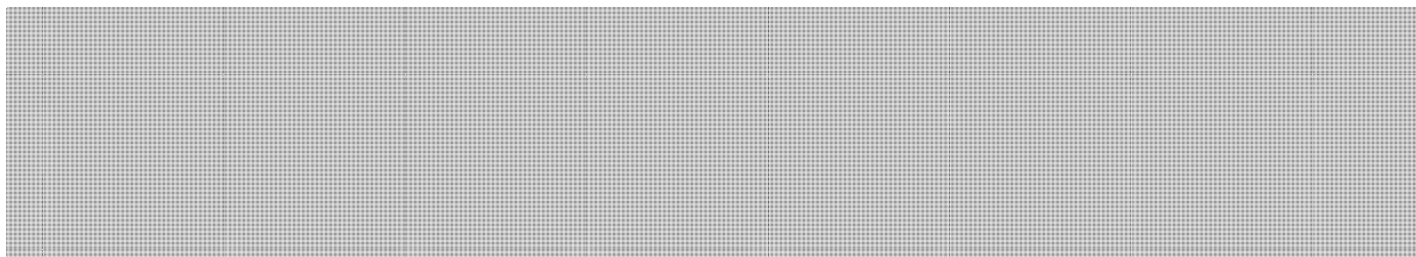
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.Mcelhone@dfo-mpo.gc.ca>;
Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>

Subject: CTV media call -- Media line for approval

Hi there,

I just got a call from Vance -- they have a call in MINO about clarifying our position on permits. I would recommend the following line. Can all of you circulate for concurrent approvals ASAP so that Vance can get back to the reporter by their 5:30 deadline. Carole can you follow up with Vance with more details while we run approvals?

Proposed response:



Ashley Jackson

Communications Manager, Fisheries and Harbour Management
Fisheries and Oceans Canada / Government of Canada
ashley.jackson@dfo-mpo.gc.ca / Cel. [REDACTED]

Gestionnaire des communications, Gestion des pêches et des ports
Pêches et Océans Canada / Gouvernement du Canada
ashley.jackson@dfo-mpo.gc.ca / Tél. Cell. : [REDACTED]

Stewart, Julie

From: Stewart, Julie
Sent: Thursday, August 9, 2018 9:47 AM
To: Busby, Corina, Makkay, Kristina
Cc: Petrovic, Marina
Subject: RE: CTV media call -- Media line for approval

Julie Stewart
Director / Directrice
Species at Risk Program / Programme des Espèces en Péri
200 rue Kent St.
Station 10W061
Ottawa, ON
K1A 0E6

(613) 949-7524 (t)
c)

Julie.stewart@dfo-mpo.gc.ca

From: Busby, Corina
Sent: Thursday, August 9, 2018 9:00 AM
To: Makkay, Kristina <Kristina.Makkay@dfo-mpo.gc.ca>
Cc: Petrovic, Marina <Marina.Petrovic@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

From: Makkay, Kristina
Sent: 2018-August-09 8:57 AM
To: Busby, Corina
Cc: Petrovic, Marina
Subject: RE: CTV media call -- Media line for approval

From: Busby, Corina
Sent: August-09-18 8:54 AM
To: Makkay, Kristina
Subject: FW: CTV media call -- Media line for approval

FYI - We can anticipate some questions today on permitting under SARA.

From: Smith, Kathleen
Sent: 2018-August-08 5:59 PM
To: Winfield, Nicholas; Stewart, Julie
Cc: Saindon, Carole; Jackson, Ashley; Busby, Corina
Subject: Re: CTV media call -- Media line for approval

Nick, we're going to move this to Phillipe, as we are running out of time.
Carmel in PAC has approved as did Sylvie, and Julie is OK with that line so am trusting that we are OK.
PAC has 6 more calls on this permitting aspect that they will use these lines to close.
Will cc you on note to Philippe
Thank you
K

From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 5:35 PM
To: Winfield, Nicholas; Stewart, Julie
Cc: Saindon, Carole; Jackson, Ashley; Busby, Corina
Subject: RE: CTV media call -- Media line for approval

Nick -

From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 5:28 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

From: Winfield, Nicholas
Sent: Wednesday, August 8, 2018 5:10 PM
To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 5:08 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval
Importance: High

Nick-

From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 5:04 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

Thank you, Julie had other minor edits as well. Propose to send this to Philippe next. Is also with PAC region.

PROPOSED RESPONSE:

From: Winfield, Nicholas
Sent: Wednesday, August 8, 2018 4:55 PM
To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: CTV media call -- Media line for approval

Prefer

From: Smith, Kathleen

Sent: Wednesday, August 8, 2018 4:50 PM

To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>

Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>

Subject: FW: CTV media call -- Media line for approval

Sorry - response revised slightly – CTV is the media outlet.

Seeking your approval asap please.

We will also still be moving a full set of media lines and Qs&As through approvals in time for tomorrow's media avail that Paul and Sheila will participate in -10am PAC time.

K

From: Jackson, Ashley

Sent: Wednesday, August 8, 2018 4:37 PM

To: Smith, Kathleen <Kathleen.Smith@dfo-mpo.gc.ca>; Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>; Northcott, Jennifer <Jennifer.Northcott@dfo-mpo.gc.ca>

Cc: Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.Mcelhone@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>

Subject: RE: CTV media call -- Media line for approval

Sorry all. Revised slightly.

ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50. Paul Cottrell has repeated said that permits are not currently in place to give J50 antibiotics via syringe or to feed her live chinook. He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States.

My question is: why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

DEADLINE: 3-3:30 pm PST.

APPROVED BY:

PROPOSED RESPONSE:

From: Jackson, Ashley
Sent: August-08-18 4:31 PM
To: Smith, Kathleen; Girouard, Louise; Malikian, Janine; Northcott, Jennifer
Cc: Saindon, Carole; McElhone, Kathryn; Morris, Christina
Subject: CTV media call -- Media line for approval

Hi there,

I just got a call from Vance -- they have a call in MINO about clarifying our position on permits. I would recommend the following line. Can all of you circulate for concurrent approvals ASAP so that Vance can get back to the reporter by their 5:30 deadline. Carole can you follow up with Vance with more details while we run approvals?

Proposed response:

[Redacted content]

Ashley Jackson

Communications Manager, Fisheries and Harbour Management
Fisheries and Oceans Canada / Government of Canada
ashley.jackson@dfo-mpo.gc.ca / Cel: [Redacted]

Gestionnaire des communications, Gestion des pêches et des ports
Pêches et Océans Canada / Gouvernement du Canada
ashley.jackson@dfp-mpo.gc.ca / Tél. Cell. : [Redacted]

Stewart, Julie

From: Smith, Kathleen
Sent: Wednesday, August 8, 2018 6:37 PM
To: Morel, Philippe
Cc: Saindon, Carole; Jackson, Ashley; Morris, Christina; McElhone, Kathryn; Winfield, Nicholas; Stewart, Julie
Subject: Re: Seeking urgent approval -media response on J50 (permitting)

Merci!

From: Morel, Philippe
Sent: Wednesday, August 8, 2018 6:18 PM
To: Smith, Kathleen
Cc: Saindon, Carole; Jackson, Ashley; Morris, Christina; McElhone, Kathryn; Winfield, Nicholas; Stewart, Julie
Subject: RE: Seeking urgent approval -media response on J50 (permitting)

Approved

Philippe

De : Smith, Kathleen
Envoyé : 8 août 2018 18:06
À : Morel, Philippe <Philippe.Morel@dfo-mpo.gc.ca>
Cc : Saindon, Carole <Carole.Saindon@dfo-mpo.gc.ca>; Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>; Morris, Christina <Christina.Morris@dfo-mpo.gc.ca>; McElhone, Kathryn <Kathryn.Mcelhone@dfo-mpo.gc.ca>; Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>
Objet : Seeking urgent approval -media response on J50 (permitting)

Bonsoir Philippe,
Seeking your URGENT approval on response below, deadline is 6:30 pm this evening.
Approved by Nick and Julie, also Arran and Carmel Lowe in PAC region.
PAC has received 6 similar calls and will use these lines to response.

We will also be sending a more comprehensive package of messages for approval later tonight to be used by spokes tomorrow (Paul Cottrell and Sheila Thornton) on NOAA media call at 10am PT.

Kathleen

From: Jackson, Ashley <Ashley.Jackson@dfo-mpo.gc.ca>
Sent: Wednesday, August 8, 2018 6:00 PM
To: Smith, Kathleen
Subject: J50

ISSUE: [REDACTED] CTV News is asking for a statement or comment from the Fisheries Minister regarding J50. Paul Cottrell has repeated said that permits are not currently in place to give J50

antibiotics via syringe or to feed her live chinook. He said no application has been made yet for such steps, and an application is needed before those steps could be affected. On the other hand, permits to do those things are in place in the States.

My question is: why has the Canadian government not approved those steps, or provided permits or encouraged application for a permit (when the NOAA in the States has)?

DEADLINE: 3-3:30 pm PST.

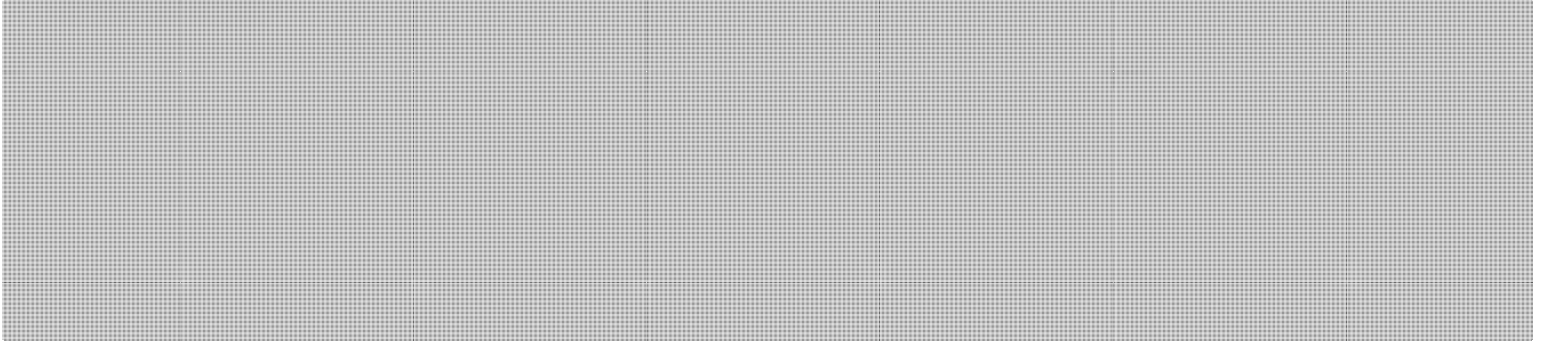
APPROVED BY: Julie Stewart, Adam Burns, Nick Winfield, Arran McPherson, C. Lowe / Neil Davies / C. Webb

s.16(2)

s.21(1)(a)

s.21(1)(b)

PROPOSED RESPONSE:



Ashley Jackson
Fisheries and Oceans Canada
Cell: 

Stewart, Julie

From: Stewart, Julie
Sent: Wednesday, August 8, 2018 5:07 PM
To: Winfield, Nicholas; Busby, Corina
Subject: RE: SRKW - J50 update

Julie Stewart
Director / Directrice
Species at Risk Program / Programme des Espèces en Péril
200 rue Kent St.
Station 10W061
Ottawa, ON
K1A 0E6

(613) 949-7524 (t)
(613) [REDACTED] (c)

Julie.stewart@dfo-mpo.gc.ca

From: Winfield, Nicholas
Sent: Wednesday, August 8, 2018 3:31 PM
To: Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>; Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: RE: SRKW - J50 update

Nicholas Winfield

Director General | Directeur Général
Ecosystems Management | Gestion des écosystèmes
Aquatic Ecosystems Sector | Secteur des Écosystèmes aquatiques
Fisheries and Oceans Canada | Pêches et Océans Canada
200 Kent Street, Ottawa, Ontario, Canada K1A 0E6
Tel: (613) 998-9088
Government of Canada | Gouvernement du Canada

From: Webb, Cheryl
Sent: Wednesday, August 8, 2018 3:00 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>; Stewart, Julie <Julie.Stewart@dfo-mpo.gc.ca>;
Busby, Corina <Corina.Busby@dfo-mpo.gc.ca>
Subject: Fw: SRKW - J50 update

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Payne, Brigid
<Brigid.Payne@dfo-mpo.gc.ca>
Sent: Wednesday, August 8, 2018 11:33 AM
To: XPAC EMB Mgrs
Subject: FW: SRKW - J50 update

FYI,

From: Davis, Neil
Sent: August-08-18 11:07 AM
To: Reid, Rebecca
Cc: Burns, Adam; Thomson, Andrew; Payne, Brigid; Harber, Lee; Lowe, Carmel; Girouard, Louise
Subject: SRKW - J50 update

Hi Rebecca

There has been a lot of media coverage recently around the health of J50, a juvenile SRKW. Late last week, NOAA announced potential plans for emergency interventions to address her health. Here's a quick update on what we're doing to stay on top of this

- NOAA is holding daily press conferences updating on the status of J50 and their response actions, which DFO technical staff are attending. While we've established a dialogue w them at a working level to review their proposals, we're still working on identifying the appropriate contact at a more senior level to ensure we are working w them in a coordinated way. If you have a recommendation on the appropriate contact, pls let me know
- We're convening a small group from region and NHQ to talk daily about updates, review NOAA's proposals, and report up. Mino is seeking regular updates on this issue. There may be a briefing for MinO scheduled as early as tomorrow to outline NOAA's proposals and our assessment of them. NOAA is seeking a licence from DFO to be able to undertake some of the actions in Cdn waters, so we'll need to decide which proposed emergency measures we support or not and why. We'll need to convey this back to NOAA and have it reflected in our comms materials.
- I'm suggesting we check in w you, Andy, Brigid (for Cheryl), Carmel, and Adam to confirm support for our proposed response to the NOAA proposals prior to outlining any response for MinO. This may occur as early as today.
- We'll work w Comms to update media lines accordingly. At the moment, I've proposed to serve as the spokesperson.

Neil

Pages 655 to / à 656
are not relevant
sont non pertinentes

Stewart, Julie

From: Winfield, Nicholas
Sent: Wednesday, August 8, 2018 3:46 PM
To: Stewart, Julie; Busby, Corina
Subject: FW: Endangered orca that sparked international rescue plan spotted in B C..

Additional context. Re: SARA permit

-----Original Message-----

From: Burns, Adam
Sent: Wednesday, August 8, 2018 3:42 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>; Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>
Subject: RE: Endangered orca that sparked international rescue plan spotted in B.C....

OK - and understood. We are on standby - I can certainly dial into a call this evening Ottawa time if needed.

AB

-----Original Message-----

From: Davis, Neil
Sent: August 8, 2018 3:41 PM
To: Burns, Adam <Adam.Burns@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: RE: Endangered orca that sparked international rescue plan spotted in B.C....

The challenge is that the key technical staff are in the field on boats today, and I have not heard back from them. Will need their input before bringing a summary to snr mgmt. There's a good chance we won't be able to do that until tomorrow.

-----Original Message-----

From: Burns, Adam
Sent: Wednesday, August 8, 2018 12:31 PM
To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>; Thomson, Andrew <Andrew.Thomson@dfo-mpo.gc.ca>
Subject: Re: Endangered orca that sparked international rescue plan spotted in B.C....

We should include Nick Winfield in any discussion around what we will authorize. When do you think that discussion will occur?

Sent from my BlackBerry 10 smartphone on the Rogers network.

Original Message

From: Davis, Neil
Sent: Wednesday, August 8, 2018 3:21 PM
To: Burns, Adam; Thomson, Andrew
Subject: FW: Endangered orca that sparked international rescue plan spotted in B.C....

See early media below from this morning's briefing. A key priority right now is confirming deptl response to the different aspects of NOAA's proposal - as you can see, technical staff have indicated support for certain things and indicated other

elements are under review.

-----Original Message-----

s.21(1)(a)

From: Girouard, Louise

s.21(1)(b)

Sent: Wednesday, August 8, 2018 12:09 PM

To: Davis, Neil <Neil.Davis@dfo-mpo.gc.ca>

Cc: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>; Thornton, Sheila <Sheila.Thornton@dfo-mpo.gc.ca>; Malikian, Janine <Janine.Malikian@dfo-mpo.gc.ca>

Subject: FW: Endangered orca that sparked international rescue plan spotted in B.C....

Hi Neil,

First of the articles from the media briefing this morning,

Paul and Sheila thanks for helping us clarify the issues around licensing requirements in Canada - I think CP did a good job at explaining it below.

We are working on media lines which should be coming your way for approvals.

L

-----Original Message-----

From: Command News <fp.NEWS.LGIROUARD@commandnews.com>

Sent: Wednesday, August 8, 2018 11:53 AM

To: Girouard, Louise <Louise.Girouard@dfo-mpo.gc.ca>

Subject: Endangered orca that sparked international rescue plan spotted in B.C....

Profile: LGIROUARD / My Drawer / DFO - Clip 2 (limit 100) Aug 08 2018 14:53:00 - Source: ENV [The Canadian Press]

Endangered orca that sparked international rescue plan spotted in B.C. waters (Whale-Rescue) VANCOUVER _ An emaciated and endangered killer whale that scientists feared could be dead has been spotted swimming in the waters off Vancouver Island.

Paul Cottrell of Fisheries and Oceans Canada says a federal research team saw J50 Tuesday afternoon near Port Renfrew, B.C., but conditions were so foggy that they couldn't assess her condition.

The young female orca has sparked an international rescue effort by Canadian and American scientists who have developed a novel plan to feed her **>salmon<** medicated with antibiotics.

J50 is one of only 75 Southern resident killer whales that swim the coastal waters between British Columbia to California.

As a female with reproductive potential, scientists say she could play a vital role in her species' recovery if she survives.

While the **>salmon<** -feeding idea has not yet received approval from Canadian officials, Cottrell says Canada is prepared to give the green light to a plan to administer antibiotics by dart or with a pole-mounted syringe, once it receives an application from its American counterparts.

The first step before administering any antibiotics will be to assess J50's condition, once she is located again in appropriate conditions.

"In terms of the licensing for the pole-mounted antibiotic injection or the darting mechanism ... the activity from scientists has been approved, but we still need the application from the individuals, the researchers, the experts who want to undertake this," Cottrell said.

Sheila Thornton, a research scientist with Fisheries and Oceans Canada, says J50 was spotted with her mother but she could not say what direction they are travelling.

Thornton says weather conditions looked better Thursday, so they were hoping for another sighting in order to collect fecal and breath samples from J50.

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s.21(1)(a)

s.21(1)(b)

s.23

Stewart, Julie

From: Winfield, Nicholas
Sent: Thursday, August 9, 2018 12.13 PM
To: Morel, Philippe
Cc: Stewart, Julie
Subject: FW: Action Plan for J50
Attachments: MECTS-#3950132-v1-MECTS-#3950123-v1-MECTS-#3949785-v1-NOAA_SECTION_38_AUTHORIZATION_AUG_9_ho_comments.DOC

From: Burns, Adam
Sent: Thursday, August 9, 2018 12:07 PM
To: Winfield, Nicholas <Nicholas.Winfield@dfo-mpo.gc.ca>
Subject: Fw: Action Plan for J50

Fyi

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Gilchrist, Brett <Brett.Gilchrist@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 11:58 AM
To: Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy; Davis, Neil; Thomson, Andrew; Olson, Heather (DOJ); Burns, Adam
Subject: RE: Action Plan for J50

Let me know if you have any questions.

Brett
613-993-2055

From: Cottrell, Paul
Sent: August-09-18 11:33 AM
To: Gilchrist, Brett; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy; Davis, Neil; Thomson, Andrew
Subject: RE: Action Plan for J50

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Gilchrist, Brett
Sent: Thursday, August 09, 2018 8:29 AM
To: Cottrell, Paul; Moore, Kendra; Harber, Lee
Cc: Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Brett

From: Cottrell, Paul
Sent: August-09-18 11:24 AM
To: Moore, Kendra; Harber, Lee
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Thanks,
Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Moore, Kendra
Sent: Thursday, August 09, 2018 8:17 AM
To: Harber, Lee; Cottrell, Paul
Cc: Gilchrist, Brett; Scott, Paul G; Jenkins, Randy
Subject: RE: Action Plan for J50

Hi Lee,

We will be using a section 38 authorization under the Marine Mammal Regulations, not a permit under SARA. We have drafted an authorization template for your region's review and will be sending it shortly. Based on Science's evaluation of NOAA's application, the approved activities must be included within the section 38 authorization.

Kendra

From: Harber, Lee
Sent: August-09-18 11:03 AM
To: Cottrell, Paul; Moore, Kendra
Subject: Fw: Action Plan for J50

FYI - science to complete application form and evaluate request.

Sent from my BlackBerry 10 smartphone on the Rogers network.

From: Cottrell, Paul <Paul.Cottrell@dfo-mpo.gc.ca>
Sent: Thursday, August 9, 2018 7:17 AM
To: Harber, Lee
Subject: FW: Action Plan for J50

From: Cottrell, Paul
Sent: Thursday, August 09, 2018 6:24 AM
To: Teri Rowles - NOAA Federal
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson; Davis, Neil; Thomson, Andrew; Lowe, Carmel; Thornton, Sheila; Greene, Annely
Subject: RE: Action Plan for J50

Hi Teri,

Thank-you so much. Our DFO science folks will evaluate the proposal and resource management will work to draft a licence in anticipation of approval. I have attached a licence application which will need to be completed. Please complete asap so we can draft licence.

Thanks again,

Paul

Paul Cottrell

Pacific Marine Mammal Coordinator

Fisheries and Oceans Canada

200-401 Burrard St

Vancouver, BC

V6C 3S4

(604) 666-9965

From: Teri Rowles - NOAA Federal [REDACTED]
Sent: Wednesday, August 08, 2018 4:41 PM
To: Cottrell, Paul
Cc: Deborah Fauquier - NOAA Affiliate; Sarah Wilkin - NOAA Federal; Kristin Wilkinson; Brad Hanson
Subject: Action Plan for J50

Paul/Sheila, Please see the attached action plan/application for J50 response activities for your review for operations in Canada. Kristin, Brad and I are available to answer questions and clarifications if you have them. We based this plan on the proposal which you have been sent and the discussions with the response team yesterday.

Please let us know if you have additional needs or things need clarification. I am in Austin TX for a review meeting but should have access to email throughout my time here.

THANK YOU

Pages 664 to / à 665

are duplicates

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